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HASKELL IMPLEMENT AND SEED COMPANY

Union Square



Lewiston, Maine

CATALOGUE FOR 1925

Read Carefully Before Ordering

All prices in this catalogue, owing to uncertain market conditions, are subject to change without notice. Should there be a drop in the market on any article (listed in this catalogue) at time of purchase, we will gladly give the customer the benefit of the reduction. This policy applies to all grain, grass, vegetable and flower seeds as well as all other items quoted herein. WE DELIVER all Vegetable and Flower Seeds when bought at the packet, ounce, or $\frac{1}{4}$ pound prices, but when seeds ordered are listed in pounds, postage should be added at the rate of 6 cents per pound. Each additional pound add 1 cent. In all other cases goods will be SHIPPED F. O. B. LEWISTON.

No charge for packing, unless otherwise stated. Bags will be charged for as follows: 2 bushel bags, 50 cents; $\frac{1}{2}$ bushel bags, 20 cents; peck bags, 15 cents; $\frac{1}{2}$ peck bags, 10 cents.

We give no warranty expressed or implied, as to description, quality or productiveness of our seeds, and in sending them out, will in no way be responsible for crops or lack of satisfactory product from our seeds. If the purchaser does not accept the goods on these terms, we must be notified at once, when we will give full instructions for disposition of such goods. This is the invariable rule of reliable business houses.

We do, however, purchase our seeds from reputable growers and employ every means, taught us from years of successful dealing in seeds, to insure proper grading and purity. Seeds are tested by our experts before offering them for sale, so we are as reasonably sure of their germination as nature and science permits of assurance.

PARCEL POST INFORMATION ON PAGE 11

NOTE—We would deem it a great favor if our customers, or those wishing to remain on our mailing list, thereby receiving our catalogue, would inform us of change in address.

“GOOD EQUIPMENT MAKES A GOOD FARMER BETTER”

Haskell Implement & Seed Co.

Union Square
LEWISTON, MAINE

New England Telephone

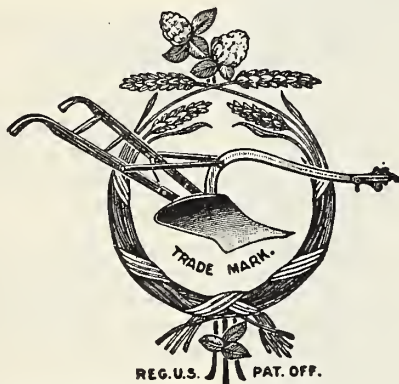
Private Line 27

HASKELL IMPLEMENT & SEED CO.

1925 CATALOGUE

of

Choice Farm, Garden and Flower Seeds
Agricultural Implements



Dairy and Poultry Supplies, Wooden Ware, Hardware, Galvanized Ware, Brooms, Brushes, Fencing, Garden Seeders and Cultivators, Pumps and Spraying Outfits, Paints, Oils, Automobile Tires, Etc.

"THE FURROW"

If you will send us your name and address we will send you "The Furrow" FREE for one year. This is a paper published in the interest of better farming and contains much useful information on farming and soil culture, also valuable Household Hints for the housewife with a lot of entertaining reading for the younger members of the family.

FREE

**We have had especially prepared for us by
Rand & McNally Co., an
Auto Trail Map of New England.**

This Map gives you all the principal Automobile Roads in the New England States. We have a limited number of these Maps on hand and until the supply is exhausted will be pleased to mail you a copy on receipt of the coupon printed on this page.

Haskell Implement & Seed Co.

Lewiston, Maine

Please mail me a copy of your Auto Trail Map as offered in your 1925 Catalogue.

Name _____

Street, or R. F. D. No. _____

Town _____

State _____

CHOICE FLOWER SEEDS — General List



MOST flowering plants will live in almost any soil, but to give them a fair chance to develop, some care should be taken to make the ground suited to their needs. The soil best adapted for flowering plants generally is a light, friable loam, containing a sufficient amount of sand to render it porous. Many flowers are better if produced on plants of vigorous growth, hence a portion of the garden should be prepared by deep digging, thorough pulverization and liberal enriching with large quantities of well-rotted manure. Since some other varieties produce the largest and finest colored flowers when grown on rather light, poor soil, a portion of the garden should not be enriched. While some seeds need special treatment, the following general rules will apply to all. Make the surface of the soil as fine, smooth and level as possible; do not plant when the ground is wet; cover each lot of seeds to a uniform depth, which should be not more than four to six times the diameter of the seed; press the soil firmly over the seed; plant in rows so that the starting plants can be seen easily; thin out the young plants to prevent crowding and keep entirely free from weeds.

POSTAGE PREPAID ON ALL FLOWER SEEDS IN PACKETS AT PRICES QUOTED SPECIAL INDUCEMENTS

When the money accompanies the order, purchasers of Seeds in packets at catalogue prices may select 25 CENTS' WORTH EXTRA PACKETS FOR EACH \$1.00 SENT. Thus anyone enclosing \$1.00 MAY ORDER SEEDS IN PACKETS AMOUNTING TO \$1.25. Two dollars sent to us with the order will pay for seeds IN PACKETS amounting to \$2.50 and so on. This offer does NOT include seeds in collections by weight or measure, bulbs, plants, or anything EXCEPTING SEEDS IN PACKETS.

Plants are generally known and described as Annuals, Biennials and Perennials. The term annual is applied to plants which flower and ripen their seeds the same season. Hardy annuals are those which may be sown in the open ground. Half hardy annuals are those which should be started in the house and transplanted to the garden. The term biennial is applied to plants which flower the second season after planting and then perish; the term perennial to plants which flower the second season after planting, and continue to flower year after year.

ADONIS. Showy, popular border flowers, remaining a long time in bloom.

Aestivalis. "Flos Adonis." Flowers scarlet. Hardy annual. 1 ft. Pkt., .05

AGERATUM (Floss-Flower). hA. Blossoms continually throughout the summer. Highly prized for bedding out, and valuable for winter blooming indoors.

Imperial dwarf. Dark blue. 9 in.; good for edging. Pkt., .05

ALYSSUM. Very hardy, free blooming dwarf plants, all varieties growing freely in common soil. The pretty, fragrant flowers are much prized for bouquets; excellent for the summer garden.

Saxatile Compactum. Yellow flowers; fine for borders. Perennial. Pkt., .05

Little Gem. White. They grow but three or four inches in height, very compact, or spreading growth, each plant often forming a circle a foot in diameter. Pkt., .05

AMARANTHUS. Ornamental foliage. Very striking and effective decorative plants. Sow early and set out young plants early in June. Annual.

Tricolor. Mixed—Carmine scarlet, splendid variety 4 to 5 feet. Pkt., .05

ANTIRRHINUM. (Snapdragon.) Beautiful, hardy, free blooming plants for summer and fall. Flowers the first year from seed as annuals and should be treated as such. Average height, 1½ feet.

Crimson.....	Pkt., .05
White.....	Pkt., .05
Finest Mixed.....	Pkt., .05



Alyssum

ASTER One of the very best Annuals for Cut-flowers

The Aster is of easy culture and very popular. Plants from seed sown in the open ground in May bloom finely in September and October. For July and August flowers sow in March or April in cold frame, spent hot-bed, or in pots or boxes in the house. Cover the seeds about half an inch deep with rich, light soil, and when the plants have three or four leaves transplant about 18 inches apart each way into well prepared beds. Manures too fresh or used in too large quantities sometimes induce disease in Asters. When used they should be thoroughly well decayed and mixed with the soil. Small quantities of slaked lime or fresh wood-ashes stirred into the surface of the Aster beds form good tonics for the plants and keep disease and insects from the roots.

Tall Varieties

AMERICAN BRANCHING. A free growing Aster of robust, erect habit, producing large, feathery blossoms resembling Japanese Chrysanthemums; one of the finest for cutting. Height 3 feet.

Crimson.....	Pkt., .10
Lavender.....	Pkt., .10
Rose.....	Pkt., .10
White.....	Pkt., .10
Finest Mixed.....	Pkt., .10

GIANT COMET. Splendid class of pyramidal habit, with very large flowers.

Crimson.....	Pkt., .10
Lavender.....	Pkt., .10
Rose Pink.....	Pkt., .10
Blue.....	Pkt., .10
White.....	Pkt., .10
Finest Mixed.....	Pkt., .10

PEONY FLOWERED PERFECTION. The finest form of incurved Aster, splendid for exhibition and popular for both florists' and private use. The plants are about two feet in height, with flowers usually four inches across, very double and of fine globular form.

Lilac.....	Pkt., .10
Crimson.....	Pkt., .10
Rose Pink.....	Pkt., .10
Dark Blue.....	Pkt., .10
White.....	Pkt., .10
Finest Mixed.....	Pkt., .10

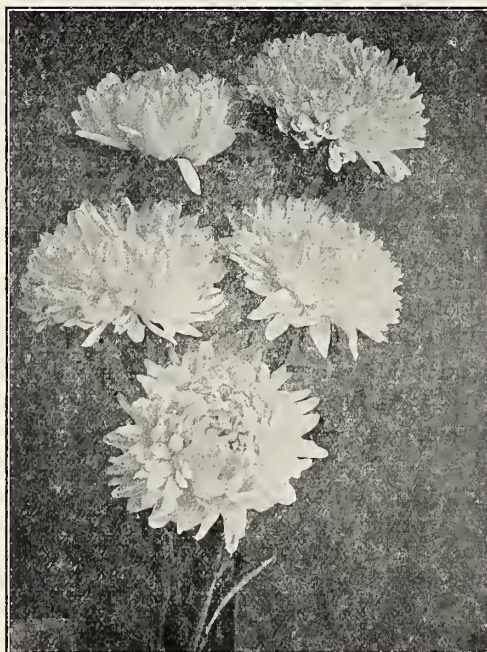
VICTORIA. Flowers large, very double, with the petals beautifully incurved. Cannot be excelled for bedding or exhibition. 2 feet.

Crimson.....	Pkt., .10
Blue.....	Pkt., .10
Rose Pink.....	Pkt., .10
White.....	Pkt., .10
Finest Mixed.....	Pkt., .10

STIM - U - PLANT

Plant Food in Tablet Form.

Make your plants grow faster, larger, and of better color. The easiest to use, and the quickest acting fertilizer made.



White Branching Asters

ASTERS (Dwarf Varieties)

CHRYSANTHEMUM

Finest Mixed.....	Pkt., .10
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QUEEN OF THE MARKET. Early flowering Aster, of branching habit, producing its flowers on long stalks; fine class for cutting and bunching.

Lavender.....	Pkt., .10
Light Pink.....	Pkt., .10
Crimson.....	Pkt., .10
White.....	Pkt., .10
Finest Mixed.....	Pkt., .10

CHINA FINEST MIXED.....	Pkt., .10
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ALL SORTS MIXED.....	Pkt., .10
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BALSAM. Beautiful plants for the summer garden. Of fine pyramidal form, thickly studded with large flowers of rich shades. They should be started early in heat and transplanted. We offer the finest strains in cultivation. Annuals.

Double Dwarf Mixed.....	Pkt., .10
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BROWALLIA. Elegant, free flowering, half-hardy annual for house or garden; growing about eighteen inches in height, with Verbena-like flowers; excellent for cutting. For summer blooming they may be sown under glass in March, or in the open ground in May. **Finest Mixed**..... Pkt., .05

CALENDULA. Vigorous, hardy, free-flowering annuals, with large, flat, double flowers; valuable for growing in light soils, or dry situations. They are useful as cut flowers, and are frequently grown under glass during winter for cutting. 1 foot. **Double Mixed**..... Pkt., .05

CALLIOPSIS or **Coreopsis**, Perennial Varieties. These frequently bloom the first year from seed sown in the spring; it is the most satisfactory, however, to sow in July or August, protecting the plants with coarse straw or pine boughs during the winter. They will flower profusely the following summer. Height, 2 feet. **Mixed**..... Pkt., .05

CAMPANULA. (Hare Bell.) These grand old flowers are of easiest culture, and one of the most attractive hardy perennials. The variety *Carpatica* is the common Hare Bell. Sow seed in the open the last of June or first of July, and transplant. They will bloom the following spring if protected over winter.

Carpatica Mixed. (Hare Bell.) Blue and White. Very free flowering variety. Pkt., .10

Medium. Old fashioned Canterbury Bell. **Mixed**..... Pkt., .10

CANDYTUFT. Showy, hardy annuals, growing about a foot in height. Excellent for bouquets.

Carmine..... Pkt., .05
Empress White..... Pkt., .05
Mixed..... Pkt., .05



Candytuft

CANNA. Indian Shot. The luxuriant foliage and superb flower of the Cannas, especially of the new French and Italian races, easily places them foremost among our sub-tropical plants.

Crozy's Newest Mixture..... Pkt., .05

CARNATIONS—Marguerite—The earliest of all Carnations, blooming in July or August if sown in spring and continuing till frost. Being half-hardy perennials, a slight protection of coarse straw or pine boughs will preserve them during winter and they will flower profusely the next summer, or they may be potted to bloom during the winter in the house. The flowers are large, about eighty per cent. usually coming double; beautifully fringed and clove-scented.

CARNATIONS MARGUERITE

Giant White..... Pkt., .10
Giant Rose..... Pkt., .10
Giant Red..... Pkt., .10
Giant Mixed..... Pkt., .10

CENTAUREA. Flowering Annuals. **Imperialis.**—Giant Corn Flower. The flowers are of enormous size; fragrant, and of the most charming colors, including white, pink, lilac, rose and purple. They are among our best summer flowers for cutting.

Dark Blue..... Pkt., .05
Cyanus—Bachelor's Buttons, mixed..... Pkt., .05



Centaurea Cyanus

CELOSIA, or Coxcomb. Showy annuals of easy cultivation; producing large, brilliant, comb-like flower heads. They prefer a light soil, and should not be allowed to become crowded if a dwarf habit is desired.

Tall Mixed..... Pkt., .05

CHRYSANTHEMUM (Annual Varieties)

Showy, hardy annuals of easiest cultivation and blooming early in summer. They are most desirable for sea-shore and mountain garden. Height, 2 feet.

Double Mixed.....Pkt., .05

COBOEA SCANDENS. A fine rapid growing climber with handsome foliage and large, bell-shaped flowers, green at first but rapidly changing to a beautiful, deep violet-blue. A well established plant will run about thirty feet in a season, covering a large veranda with handsome foliage and beautiful flowers. Tender perennial. Pkt., .05

CONVOLVULUS MAJOR—Tall Morning Glory

Finest Mixed.....Pkt., .05

Japanese Morning Glory.....Pkt., .05

CYPRESS VINE. *Ipomoea Quamoclit.* Very graceful twining annuals with feathery dark green foliage and star-like flowers. Twenty feet.

Scarlet.....Pkt., .05

COSMOS. This is one of our most useful and beautiful autumn flowers. To get it in bloom early, the seed should be sown in May in the open ground where the plants are desired to bloom, and the seedlings allowed to grow and flower without being transplanted.

Finest Mixed.....Pkt., .05



Cosmos

DAHLIA. This popular flower can be easily raised from seed and flowered the same season. The roots should be placed in dry sand and kept in a cellar where there is no frost during the winter.

Finest Mixed.....Pkt., .10

Single Mixed.....Pkt., .10

DIANTHUS. *Chinenses fl. pl. hP.* Double Chinese Pinks. Finest MixedPkt., .05
Heddeiwigii (Japan Pinks) hB. Single. First-class selected. Mixed.....Pkt., .05



Chinese Pinks

DOLICHOS LABLAB. (*Hyacinth Bean.*) Purple. 10 feet. Pkt., .05

ESCHSCHOLTZIA. California Poppy. The bright colors, long duration and dwarf habit of these free-blooming, hardy annuals, admirably adapt them for massing and border planting. Height, 1 foot.

California Alba—White.....Pkt., .05

Mixed.....Pkt., .05

GOURDS. Luxuriant, climbing annuals, useful in covering arbors, fences or slopes, and bearing gourds which are of interesting forms and colors. 10 to 15 feet.

Mixed.....Pkt., .05

GYPSOPHILA. Infant's Breath. Free flowering, hardy plants, extremely light and graceful, easy of cultivation, and most useful for bouquet and cut-flower work. Height, 18 inches.

Mixed.....Pkt., .05

HELICHRYSUM. Everlasting Flower. Showy annuals for beds or borders; useful as dried flowers for winter bouquets, for which use the blooms should be cut before they are fully open, and hung up to dry with the flowers downward if stiff stems are desired. Height, 2 feet.

Double MixedPkt., .05

FOR THE LAWN

Try our Purity Lawn Seed

Mixed by us from one of the best formulas
known and containing no weed seeds.



Helianthus

HELIANTHUS. Sunflower. The large varieties are useful in forming backgrounds of large beds or borders and for distant effects, while the smaller sorts may be planted with scarlet *Salvia*, *Cannas* and other tall bedding plants, besides being excellent for cutting. Hardy annuals.

Double MixedPkt., .05



Heliotrope

HELIOTROPE. Delightfully fragrant greenhouse perennial; excellent for bedding or indoor cultivation and particularly useful for cutting.

Giant. Newest large flowering varieties mixed.

Pkt., .10

HOLLYHOCK. This ever popular hardy favorite of our gardens has very few rivals in majestic grandeur. Hollyhocks succeed best in rich, well-drained soil. They should be lightly protected during winter with pine boughs, coarse straw, or other mulch not liable to rot. Seeds sown in July produce fine plants for blooming the following summer. Hardy biennials; 6 to 8 ft.

Chaters Strain. Double finest mixed Pkt., .10

HUMULUS JAPONICA. Japanese Hop. Splendid annual climber of fast growth and very ornamental. 12 ft.Pkt., .10

KOCHIA TRICHOPHILA. (Standing or Summer Cypress.) Splendid ornamental annual of unusually

quick growth, forming regular pyramids of about 3 ft. in height. The slender-leaved plants are of a cypress-like appearance during the summer, changing their light-green foliage to carmine and blood-red colorings. The plant, also called "Burning Bush," is of great value when planted singly or in groups, as well as for pot culture. 3 ft.Pkt., .05

LARKSPUR. Splendid hardy annuals with showy flowers borne on long spikes; white, lilac, and all shades of blue; excellent for cutting. Height, 18 inches.

Double Tall. Branching or stock flower mixed. Pkt., .05

LAVENDER. Ornamental hardy perennial, bearing long spikes of very fragrant, blue flowers. 18 inches. Pkt., .05

LOBELIA. The *Erinus* varieties are most valuable for edgings, hanging baskets and vases, blooming profusely from June till frost. **Lobelia Cardinalis** and its varieties are among the most brilliant autumn flowering perennials.

Crystal Palace Compacta. The darkest blue. Pkt., .05

MARIGOLD. *Tagetes.* These handsome half-hardy annuals when well grown cannot be surpassed either in mixed borders or when grouped together. They succeed best in moderately rich soil and in open situations, and are strongly recommended where a gorgeous display in the autumn is an essential feature.

African—Double tall yellowPkt., .05

African—Double tall mixedPkt., .05

French—Double tall mixedPkt., .05



Forget-Me-Not

MYOSOTIS—Forget-Me-Not. Dwarf, half-hardy perennials, bearing a profusion of little, star-shaped flowers. They thrive best in rather moist, shady situations. Most of them will bloom the first year from seed if sown early. If sown in July or August in shaded frame, fine plants will be obtained for spring blooming. They are very beautiful when planted in combination with late spring bulbs, Daisies, *Arabis* or Golden *Alyssum*.

Palustris—True Forget-Me-Not. Dark blue, very beautiful; profuse flowering. Pkt., .10



Mignonette

MIGNONETTE. *Reseda Odorata.* The most fragrant annual, prized as much for forcing in winter as for the summer garden. The seed should be sown early and the plants as they grow, thinned sufficiently to allow them to branch. The beds should be liberally watered during dry weather.

Parsons's White.....	Pkt., .10
Machet, Red.....	Pkt., .10
Sweet Scented Mixed.....	Pkt., .10

NICOTIANA Affinis—Annuals.

Sylvestris. A splendid new variety with glaucous leaves and large pendants, pure white, tube-shaped flowers; a very stately plant. Pkt., .10

NASTURTIUMS—Dwarf varieties mixed.

Tom Thumb, or Dwarf. These hardy annuals are of easiest cultivation; succeeding best in rather light soil, withstanding heat and drought and flowering profusely from June or July until cut down by severe frost, usually well into November. The dark-leaved varieties are particularly adapted for ribbon beds and borders, the brilliant flowers contrasting admirably with the bronzy foliage. Height, 1 foot.

Finest Mixed. Our special mixture of the finest sorts, in great variety of color.

Pkt., .05; oz., .15; ¼ lb., .45

NASTURTIUMS—Tall or Climbing.

Besides their ordinary garden use for trailing over fences, trellises, stone walls, etc., these can also be grown as pot plants for winter flowering, as screens or as trailers for hanging baskets and vases; 8 to 12 feet.

Finest Mixed.....Pkt., .05; oz., .15; ¼ lb., .45

PAPAYER or Poppy. Annual varieties, showy, hardy annual of the easiest cultivation and embracing many rich and beautiful colors. The seed should be sown early in spring where intended to bloom.

Shirley—Finest mixed. A most charming race of single Poppies with shining flowers of silky texture, varying in color from pure white and delicate pink to rosy carmine and deep crimson; many of them being

beautifully striped and edged with white. The blooms if cut when young will keep in water for two or three days. Height, 2 ft.

Double Carnation Mixed.....	Pkt., .05
Oriental Deep Crimson.....	Pkt., .05
White Swan.....	Pkt., .05

PHLOX DRUMMONDI. This is one of the finest annuals, being hardy, easy of cultivation and making as a summer bedding plant an effective and brilliant display. The flowers are of long duration and of most gorgeous and varied colors. Height, 1 ft.

Finest Mixed—Splendid colors..... Pkt., .05

Grandiflora Finest Mixed. The flowers are of large size, finely rounded form, and with well-defined eyes. The colors are superb. Pkt., .10

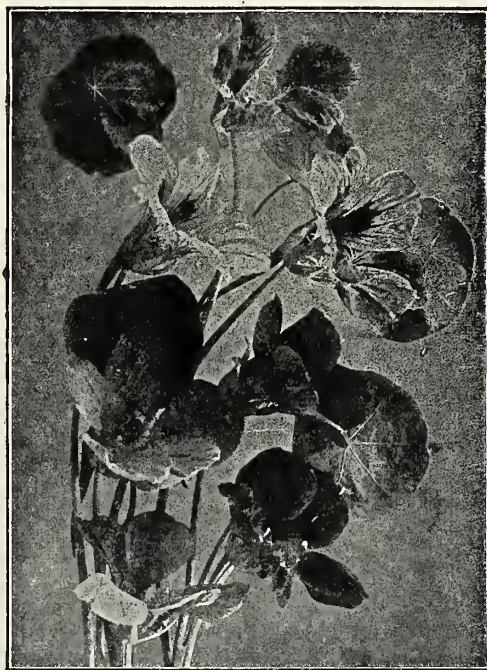
PETUNIA. The Petunia is popular because it is of easiest cultivation, blooms from early summer continuously until frost and is one of the most showy and free-growing annuals. Height, 12 to 15 inches.

Single Flowering Petunia

Hybrida—Finest Mixed.....	Pkt., .10
Fimbriata—Fringed, Single Mixed.....	Pkt., .15

Double Flowering Petunia

Double Fringed—Extra Large.....	Pkt., .20
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Nasturtium

PORTULACA. Charming dwarf annuals for sunny situations or light soils, producing flowers of most brilliant colors in great profusion. Height, 6 inches.

Grandiflora Plenissima—Double Mixed.....	Pkt., .10
Grandiflora—Fine Single Mixed.....	Pkt., .10

RHODANTHE. Half-hardy annuals with "Ever-lasting" flowers. They are beautiful for the open garden, or grown in pots for the conservatory. If required for winter use, as dried flowers, they should be cut before they are fully expanded. Height, 1 foot.
Mixed.....Pkt., .05

RICINUS. Castor Oil Plant. Tender annuals of rapid and gigantic growth, producing enormous dark green or bronze-colored palmate leaves; excellent for sub-tropical beds, or for massive foliage effects on lawns or backgrounds.

Zanzibariensis. Mixed. A new and distinct race from East Africa, producing leaves of enormous size, varying in color from light green to purplish red. Height, 15 feet. Pkt., .10

SALPIGLOSSIS. Half-hardy annuals; elegant late summer flowering plants of great diversity in color; beautifully penciled in rich tints of yellow, purple and brownish red. Of easy culture.
Grandiflora—Finest Mixed.....Pkt., .05

SALVIA. Flowering Sage. Very ornamental; flowers borne in spikes of fiery red, crimson or blue, and continue in bloom in open ground until after severe frosts. Start in heat and transplant into light soil one

or two feet apart. Tender perennials, but bloom the first season. Height, 2 ft. to 3 ft.

Splendens—Scarlet.....Pkt., .10
Cocinea—Mixed.....Pkt., .10

STOCK—Gilliflower. The charming colors, delightful fragrance and free-blooming character of the Stocks have made them favorite plants for both summer and winter cultivation. They are very effective for beds and borders, and their handsome spikes are invaluable for bouquets and floral decorations.

Large-Flowering, Double Ten-Week Varieties. Highest grade, pot-grown seed. The best variety for early summer blooming, producing massive pyramidal flower spikes of brilliant colors and delightful fragrance. Height, 1 foot.

Pink.....Pkt., .10
White.....Pkt., .10
Finest Mixed.....Pkt., .10

SWEET WILLIAM. *Dianthus Barbatus.* Showy, hardy biennials of easiest culture; admirable for clumps among shrubs or borders. Height, 18 inches.

Hunt's Perfection Mixed.....Pkt., .05

WALL FLOWER. Deliciously fragrant and combine many shades of color; the orange, purple and chocolate predominating; tender perennial, 1½ feet.

Double Mixed.....Pkt., .10

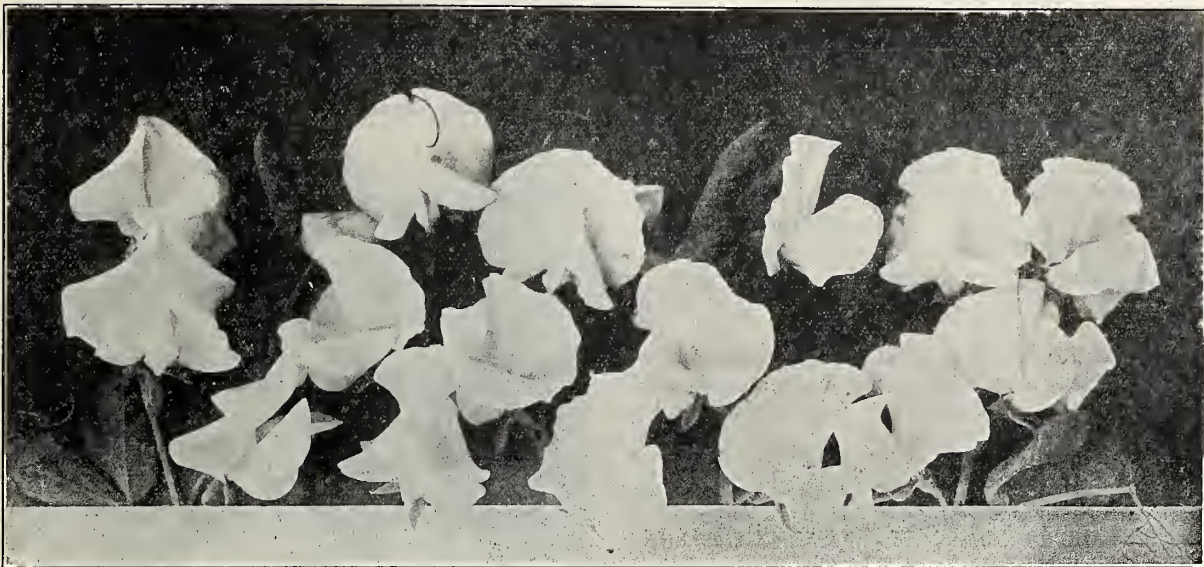
PANSIES

Pansy, or Heartsease. Too much importance cannot be attached to the culture of these beautiful plants, flowering as they do in great abundance for several months. When sown in the early spring a good display in most cases can be had in the following fall, but the best results are not obtained by so doing. To obtain fine blooms it is better to sow during summer and transplant the seedlings in cold frames in September, protecting during the winter with mats or shutters. Pansies delight in a cool, moist, well drained soil, enriched with decomposed barn-yard manure. They should never be allowed to suffer for want of water.

Giant Blue.....Pkt., .10
Giant Black.....Pkt., .10
Giant Purple.....Pkt., .10
Giant Yellow.....Pkt., .10

Giant White.....Pkt., .10
Giant Mixed.....Pkt., .10
Mixed.....Pkt., .05
Giant Ruffled Mixed.....Pkt., .15





SWEET PEAS

SWEET PEAS

Sweet Peas well deserve the place they have earned in the hearts of all lovers of flowers. Their beauty and fragrance, together with their vigorous growth and the ease with which they are grown, make them one of the most popular of garden annuals. They will thrive in any garden and bear all summer an abundance of beautiful fragrant flowers of many wonderful shades and tints. Our Sweet Peas are unsurpassed in selection, purity and vitality.

CULTURE

Early in spring make a trench three to four inches deep in rich, mellow soil, so arranged that no water can stand in it, and plant the seed in the bottom, covering at first only one inch deep. In soils at all heavy, or composed largely of clay, put about one inch of sand in the bottom of the trench and sow the seed on this, covering with more sand. Cover the row with a board to shed the rain and protect the soil from the hot sun, but remove this as soon as the young plants appear.

When the plants are two inches high, cultivate, and as they grow gradually fill up the trench. When the plants are about five inches high it is desirable to furnish some support for the vines to run upon, preferably a wire netting firmly supported by stakes to prevent sagging, but strings or brush are often used with satisfactory results.

The roots should not be allowed to become too dry. Water applied thoroughly once or twice a week, preferably early in the morning or in the evening, is usually better than light sprinkling more frequently.

The blooms should be picked before they form pods, or the plants will soon stop flowering.

Haskell's Peerless Mixture. We invite comparison of our mixture with any and all others, no matter under

what name or at how high a price offered, and are certain a trial will demonstrate the superiority of our **Peerless Mixture.**

Owing to the fact that there are so many different named varieties and many of these are really one and the same, we have discontinued cataloguing them, selecting only the following which we consider the best:

Dorothy Eckford. Pure White.

Blanche Ferry. Pink and White.

Prima Donna. Pure Pink.

Lady Grisel Hamilton. Lavender.

King Edward VII. Scarlet.

Lord Nelson. Navy Blue.

Prices on any of the above:

Pkt., .05; Oz., .10; ¼ Lb., .35; ½ Lb., .65; Lb., \$1.25

Prices on Haskell's Peerless Mixture:

Pkt., .05; Oz., .10; ¼ Lb., .30; ½ Lb., .55; Lb., \$1.00

Any of the above five-cent packages, 6 Pkts. for 25c; 12 Pkts., .40.

**For larger, better and
more Sweet Pea Blossoms,
inoculate the seed with
Farmogerm**

Sweet Peas (Continued)

SPENCER VARIETIES

The Spencers are of exceptionally large size, the standard and wings waved or frilled and the general effect remarkably graceful and attractive. The plants are of vigorous growth and remain in bloom for a longer period than the ordinary sorts. They are produced abundantly on long stems, making them most desirable for cutting.

Asta Ohn. Suffused lavender, sometimes with pinkish tinge.

Countess. Bright, clear pink, sometimes darker towards the edges; very large with long stems. One of the very best.

Florence Morse. White with pink edge.

Helen Lewis. Rich orange.

King Edward. Brilliant crimson scarlet; very large size and of open form.

Othello. Beautiful deep maroon. One of the most reliable of the maroon shades of Spencers.

White. Pure White. Beautifully waved and fluted. Very large size.

Mixture. A very fine assortment of the best varieties.
Separate Colors...... .10 per Pkt., .20 oz.
Mixture...... .10 per Pkt., .20 oz., .75 ¼ lb.

VERBENA. The Verbena is one of the most decorative and easily grown bedding plants. If started in heat in March the seedlings begin to bloom in June and continue until frost. Plants raised from seeds are stronger and flower more freely than those grown from cuttings. Half-hardy perennials. Height, 1 foot.

Hybrida—Fine mixed......Pkt., .05
Hybrida—Mammoth mixed......Pkt., .10
Hybrida—Extra selected, dark blue......Pkt., .10
Hybrida Candissima, white......Pkt., .10

VIRGINIA CREEPER (or American Woodbine).

Though a common native climber, this is one of the best plants for covering unsightly objects, or it may be easily trained into festoons of exceeding grace and beauty. Pkt., .05

WILD CUCUMBER. Hardy, vigorous climber, with very pretty seed-pods, large seeds; to be sown in the open ground in autumn. 20 feet. Pkt., .05

XERANTHEMUM. Profuse blooming hardy annuals with "Everlasting" flowers; useful for winter bouquets; colors pure white and deep purple. Height, 18 inches.

Finest Double Mixed.....Pkt., .05



Zinnia

ZINNIA. The double flowering Zinnias (*Zinnia elegans* fl. pl.), are among the finest annuals blooming from July till frost. The flowers are large, handsome, and in a variety of colors. Of easy cultivation in common garden soil. Seed should be started in heat and transplanted. Our seed of these beautiful flowers is saved from the finest collection in France.

Single Mixed.....Pkt., .05
Double Mixed.....Pkt., .05

MIXED FLOWER SEEDS FOR WILD GARDENS

A splendid mixture of more than one hundred kinds of flower seeds at a low price. Pkt., .05

For Parcel Post information see next Page.

Owing to the unsettled condition of the market ALL prices in this catalogue are strictly subject to change without notice. If, however, at time of shipment prices should be lower than given in the catalogue we shall cheerfully give our customers the benefit.

SUPERIOR VEGETABLE SEEDS

THE CENTAL SYSTEM—IMPORTANT ANNOUNCEMENT

In this issue of our catalogue we shall continue to use the Cental System which was adopted by us in our 1919 issue. The old method of selling seed by the pint, quart, peck, bushel, or fractions thereof is hereby discontinued. Seeds will hereafter be quoted by the pound and hundred pounds. You will find it more accurate, more fair, and more sensible than the old method of buying by the pint, peck, or bushel. Recommendations as to quantity to sow will be made on the pound basis instead of by measure.

There are several reasons for this change.

1. The weight of a bushel of one kind of seed is practically never the same as that of another kind of seed. Even the weights of two single bushels of the same commodity may differ, due to difference in size of the individual seeds, vegetables, or whatever makes up the bushel. The old system was, therefore, unavoidably inexact, frequently inaccurate, and never quite fair to both buyer and seller.

2. The new method is exact, accurate, and fair to all.

3. The new system permits of quicker, more accurate parcel-post rating.

4. The Cental System, long used in Europe, is the coming method of selling seeds, vegetables, foods, etc. It has already been adopted by law in several states.

Parcel Post Information

Parcel Post rates now apply to all seeds, bulbs and plants and are subject to the same rates as all other merchandise. 1st and 2d Zones include all places within the distance of 150 miles of Lewiston.

Rates of Postage for 4th Class Merchandise

Zone Distances	Zones	First Pound	Each Additional Pound
Lewiston and Rural Delivery,		.05	\$.00½ up to 70 Lbs.
Within 140 Miles,	1st and 2d	.05	.01 up to 70 Lbs.
150 to 300 Miles,	3d	.06	.02 up to 50 Lbs.
300 to 600 Miles,	4th	.08	.06 up to 50 Lbs.
600 to 1000 Miles,	5th	.09	.07 up to 50 Lbs.
1000 to 1400 Miles,	6th	.10	.09 up to 50 Lbs.
1400 to 1800 Miles,	7th	.11	.10 up to 50 Lbs.
*1800 Miles and over,	8th	.12	.12 up to 50 Lbs.

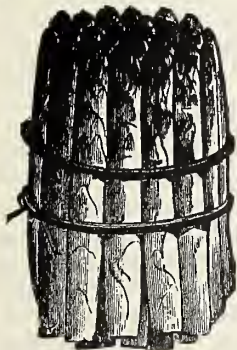
*Includes non-contiguous possessions.

ASPARAGUS

German,—Gpargel. French,—Asperge.
Spanish,—Esparragos.

One ounce for 60 feet of drill.

A convenient bed is about six feet wide, with a path two feet wide on each side. This will require six rows one foot apart, and a bed of that width 50 feet will be



ample for an ordinary family, requiring about one pound of seed. It will require about three years from the time of sowing until the bed is in full bearing, but once established, it is good for twenty years. It should

be sown in drills one foot apart, and when the plants are four or five inches high they should be thinned out so that the plants will be nine inches apart from each other in all the rows. Great care must be taken for the first year to keep down all weeds as soon as they appear, else they will choke and destroy the young seedling Asparagus. The deeper the soil and the more manure used, the greater will be the crop.

Conover's Colossal. The best known, and one of the most desirable sorts. Pkt., .10; oz., .20; ¼ lb., .60

Palmetto. Shoots are very large and light green, also tender and very desirable for the market and home garden. Very quick in growth, with close, round-topped shoots. Pkt., .10; oz., .20; ¼ lb., .60

Asparagus Roots

A saving of one or two years is effected by planting roots. These offered below are strong, two-year-old roots, and the proper size for testing. These roots are not carried in stock but will be shipped direct from the growers. Prices on the following varieties will be quoted on application.

Columbia, Mammoth White, Conover's Colossal, Barr's Mammoth and Palmetto.

BEANS

Dwarf or Bush

German,—Bohnen

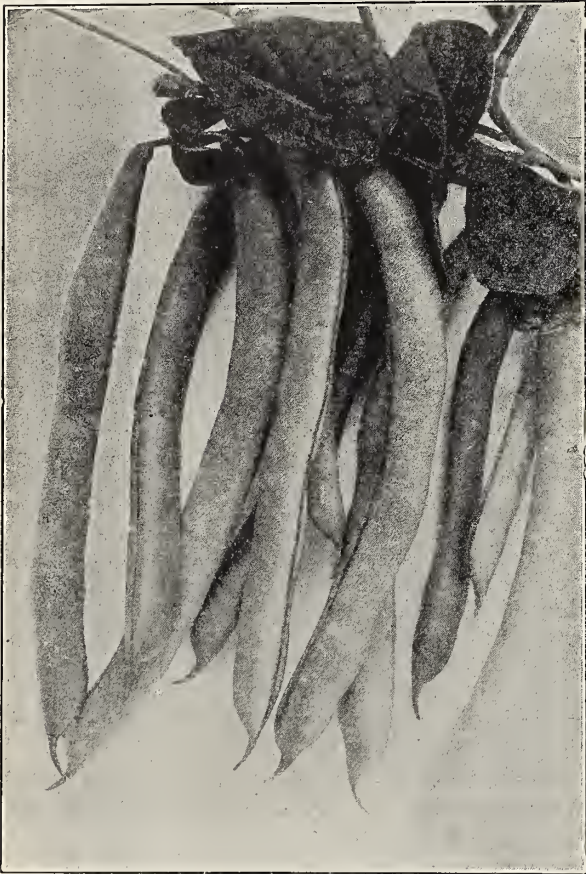
French,—Haricot

Spanish,—Frijole nano.

Two pounds to 100 feet in drills or 150 hills; two bushels to the acre in drills.

A succession of sowing can be made from the first week in May until August. Plant in drills about two inches deep, and from eighteen inches to two feet apart, according to the richness of the soil; the poorer the soil the closer they can be planted. The seeds should be dropped about two inches apart.

Add .06 per Lb.; each additional pound add .01 if to be sent by mail.



Improved Golden Wax Beans

Black German Wax. (Black Seed.) Very early; round, yellow pods; a well-known standard sort.

Pound, .35; Two Pounds, .60; Fifteen Pounds, \$3.50

Curries' Rust-proof Wax. Pods long, flat and straight, very productive and rust-proof; black seed.

Pound, .35; Two Pounds, .60; Fifteen Pounds, \$3.50

Improved Golden Wax. Rust Proof. An improvement on the old Golden Wax. The pod is somewhat round, meaty and entirely rust-proof.

Pound, .35; Two Pounds, .60; Fifteen Pounds, \$3.50

Green Pod Varieties

Stringless Green Pod. The pods are green, not quite as round as Valentine and less curved. The pods are stringless—absolutely—this quality at once placing the variety at top of the list among table beans.

Pound, .35; Two Pounds, .60; Fifteen Pounds, \$3.50

Long Yellow Six Weeks. Pods are long, flat, straight green.

Pound, .35; Two Pounds, .60; Fifteen Pounds, \$3.50

Low's Champion. Very productive, with stringless, large flat green pods. Excellent either as a string or shell bean.

Pound, .35; Two Pounds, .60; Fifteen Pounds, \$3.50

Dwarf Horticultural. Pods are of medium length, slightly curved, and when nearly developed are freely splashed with bright red on the yellow skin. The green shell beans are of good size, tender, and of fine flavor.

Pound, .30; Two Pounds, .50; Fifteen Pounds, \$3.00

Burpee's Bush Lima. The only Bush form of the true large Lima. Bushes grow to eighteen inches in height and always erect.

Pound, .35; Two Pounds, .65; Fifteen Pounds, \$4.00

Improved Yellow-eye Bean. A fine field bean and very productive.

Pound, .20; Two Pounds, .35; Fifteen Pounds, \$2.00

Old-fashioned Yellow-eye Bean. An excellent field bean and much preferred to the Improved Yellow-eye as a baking bean.

Pound, .20; Two Pounds, .35; Fifteen Pounds, \$2.00

Red Kidney Bean. An easily raised bean and very productive. Also greatly prized by many for baking.

Pound, .20; Two Pounds, .35; Fifteen Pounds, \$2.00

Pea Beans. Native grown. Used for baking more than any other pea bean.

Pound, .20; Two Pounds, .35; Fifteen Pounds, \$2.00

Sulphur Pea. Larger than the white pea bean; golden yellow color; early and of fine quality.

Pound, .20; Two Pounds, .35; Fifteen Pounds, \$2.00

White Kidney Bean. Good yielder. Almost entirely free from rust. One of the best baking beans on the market.

Pound, .20; Two Pounds, .35; Fifteen Pounds, \$2.00

Soldier Bean. Similar in shape to the White Kidney, but much larger, and with brown markings. Excellent cropper and free from rust.

Pound, .20; Two Pounds, .35; Fifteen Pounds, \$2.00

Pole or Running

German,—Stangen Bohnen

Spanish,—Judias

French,—Haricot a Rames

One Pound to 150 hills.

These are more tender and require rather more care in culture than the Bush Beans, and should be sown two weeks later. They succeed best in sand loam, which should be liberally enriched with short manure in the hills, which are formed, according to the variety, from three to four feet apart. From five to six seeds are planted in each hill, about two inches deep.

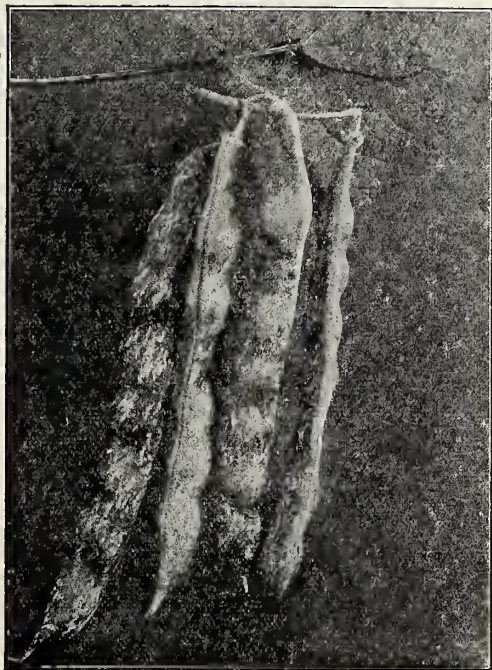
Rough cedar or similar poles about seven or eight feet long should be used for these to climb on. The

poles should be set in the ground at least eighteen inches, so as to prevent being blown over.

Add .06 per Lb.; each additional pound add .01 if to be sent by mail.

Black Wax, or Indian Chief. A superb snap bean; pods yellow and stringless. Crop Failed.

Kentucky Wonder Wax. Similar to the green pod Kentucky Wonder. Pods 8 to 9 inches long. Very early. Pkt., .20; Pound, .35; Two Pounds, .60



King Horticultural, or Old Fashioned Speckled Cranberry. Pods bright carmine color; both beans and pods are much larger than the common kind.

Pkt., .20; Pound, .35; Two Pounds, .60

Kentucky Wonder. An excellent green podded variety; enormously productive, the long pods hanging in great clusters along the entire vine. Seed dark brown; entirely stringless.

Pkt., .20; Pound, .35; Two Pounds, .60

Lazy Wife. One of the best of the later green-podded pole beans for snaps. The pods borne in large clusters, are five to seven inches long, broad, thick, fleshy and entirely stringless. When young they have a rich, buttery flavor, which is retained until they are nearly ripe. The dry beans are excellent for winter use. Seed white.

Pound, .35; Two Pounds, .60

Lima, King of the Garden. Heavy cropper—bean and pod very large. Pound, .40; Two Pounds, .75

Scarlet Runners. Usually cultivated for the beauty of its scarlet flowers. Pkt., .15; ½ Lb., .25

BEET

German,—Runtel Rube French,—Betterave
Spanish,—Beteraga

A rather light soil, well enriched, is best suited to the cultivation of the various beets. The mangels and

sugar beets in particular, require very liberal manuring. For an early crop of table beets, sow the seed as early as the ground is in condition to work; light frosts will not injure the young plants. For a main crop, sow the first of May; and for winter beets, the last of June. Sow in drills, 12 to 15 inches apart, and about one inch deep, pressing the earth firmly upon the seed,—a very important matter. Use about six pounds of seed per acre, 1 oz., 50 feet. Thin out when the plants are large enough. The varieties for table use should be left three or four inches apart.

TABLE BEETS

Crosby's Egyptian. This variety is as early as the original Egyptian, but by careful selection has been made thicker and of better quality.

Pkt., .10; oz., .20; ¼ lb., .50; lb., \$1.25

Dewing's Early. Of deep red color, smooth and of fine form. One of the leading varieties, both for market and for family use.

Pkt., .10; oz., .20; ¼ lb., .50; lb., \$1.25

Detroit Dark Red Turnip. An excellent beet for bunching for market; tops exceptionally small and upright; roots turnip shaped with small tap root. Color of skin dark blood red; flesh bright red. Quality is of the best, sweet and tender. One of the best varieties for the market gardener and the home garden.

Pkt., .10; oz., .20; ¼ lb., .50; lb., \$1.25

Early Eclipse. Very early, dark-red color, small top, and free from fibrous roots.

Pkt., .10; oz., .20; ¼ lb., .50; lb., \$1.25

Edmand's. This variety is thoroughly fixed and uniform in type. The flesh is deep blood red in color, and exceedingly sweet and tender. It is round, smooth, of good market size, and does not grow over-large.

Pkt., .10; oz., .20; ¼ lb., .50; lb., \$1.25

Haskell's Special Blood Turnip. We have a very fine strain of Blood Turnip Beet, of the Edmand's type. Very deep red fleshed, so much in demand in all markets.

Pkt., .10; oz., .20; ¼ lb., .50; lb., \$1.50

Swiss Chard or Silver Sea Kale. Used as greens and the ribs of leaves cooked and served as asparagus.

Pkt., .10; oz., .20; ¼ lb., .50; lb., \$1.50

MANGEL-WURZEL AND SUGAR BEETS

Sow in April or May, using eight to twelve pounds to the acre.

Price of all varieties, Oz., .15; ¼ lb., .30; lb., .75

Improved Mammoth Long Red. An improvement on the old variety. The roots are very large, uniformly straight and well formed; proportionately thicker, and are deeper colored than the common sort, and with smaller tops.

Norbiton Giant. A mammoth, long-red variety, enormously productive, and keeps well; good for deep soils.

Lane's White Sugar. One of the best for feeding stock. Very sweet.

Mangel Danish Sludstrup. Long, reddish yellow. Grows well above the ground and easy to pull. More percentage of dry matter than in any known Mangel. Very heavy cropper.

MANGEL-WURZEL and SUGAR BEETS (Continued)



Golden Tankard. Flesh a deep, rich yellow; very sweet and nutritious. Half long in shape. A very heavy cropper.

BRUSSELS SPROUTS

(Species of cabbage; cultivation the same)

German,—Rofen-Kohl French,—Chou de Bruxelles
Spanish,—Berza de Brussels

One ounce will sow a bed of forty square feet, and produce about 3,000 plants

This is a delicious vegetable, superior to either borecole or spinach. The small, cabbage-like heads which grow upon the stem are much improved by a moderate frost. Sow in hotbeds in March or April, and in the open ground in May.

Dwarf Improved. Produces excellent, compact sprouts; very sure cropper.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .75

CABBAGE

German,—Kopf-Kohl French,—Chou Pomme
Spanish,—Berza

[One ounce of seed produces about 3,000 plants.]

Early varieties are grown from seed sown in hotbeds in February or March, only moderate bottom heat being required. Transplant into other frames without much, if any, bottom heat, as soon as the plants show the fourth leaf. In April, or as soon as the ground can be easily worked, set out in rows three feet apart, and about eighteen inches between the plants. The ground should be thoroughly stirred with cultivator and hoed every week till the plants cover the ground. For a

fall crop, sow in the open ground in May, in hills the proper distance apart, using a liberal quantity of manure in the hill, besides that which is plowed in; thin out to one good plant in each hill. In the same way crops may be sown to lay in for the winter use, planting seeds as late as July 1. Seeds can also be sown in shallow drills; when the plants are large enough, can be transplanted, setting the plants in rows three feet apart and two feet apart in the row. If the young plants are troubled with the cabbage fly, sprinkle them with tobacco dust, air-slaked lime, slug-shot or wood ashes, while the dew is on them. To keep off the cabbage worm, sprinkle with Dalmatian insect powder or Bug Death.



Danish Ball Head

The wide and unfailing popularity of the Danish Ball Head cabbage is simply wonderful. It seems to adapt itself to all soils and conditions.

The leading characteristics of the Danish Ball Head cabbage are: First, that it is a sure header; second, that it is of unapproachable solidity and weight; third, that it is an extra good keeper; and fourth, that it is a good seller.

It is a medium to late cabbage, but is generally grown as a late crop. It is sure to head, the heads being round, hard and extremely heavy, though not extra large. It can be grown in close quarters, on account of its compact habit.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.50

All Seasons. An early Drumhead, sure heading, solid variety. Desirable for early or fall use.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25

Charleston Wakefield. Grows to a much larger size than the Jersey Wakefield. Very productive and a good shipping variety. Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25

Mammoth Rock Red. The largest heading of any of the red sorts, of deep rich color, and excellent quality.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25

Sure Head. A fine variety for main crop. A good shipper and sure header. Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25



Warren's Stone Mason

Warren's Stone Mason. An improvement on the Stone Mason Drumhead; heads rounder, firmer and earlier; is an extra good keeper.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25

Savoy Improved American. The finest flavored of all the cabbage family, large and solid.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25

Early Winningstadt. An early variety of excellent quality, not as early as the Wakefield.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25

Henderson's Early Summer. A standard summer variety. We have the true stock.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25

Early Jersey Wakefield. A standard early variety for home use or market. Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25

Red Dutch for pickling or for salads.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25

Succession. A sure-headed, long-keeping variety, very similar to All Seasons, but maturing a little later. Heads deep and very firm.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.25

Copenhagen Market. Extra early variety, ball shaped and evenly maturing. Best for market gardeners.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.50

Enkhuizen Glory. It is an early cabbage, but still of large size, solid and of the best quality. It is one of the largest early cabbages we have seen, and may be set out as late as the last of July or first of August in this latitude, and will make large, fine heads for late fall or winter use. The great merit of this cabbage lies in the perfect uniformity of its growth. The plants are

compact, have few outside leaves, can be planted close together, and will produce a very large crop.

Pkt., .10; oz., .40; $\frac{1}{4}$ lb., \$1.50

CARROT

German,—Rhore

French,—Carrotte

Spanish,—Zanahoria

One ounce will sow 100 feet of drill; 3 pounds required for an acre

Carrots require a very finely pulverized soil to grow them to perfection. A good, light and well-enriched sandy loam is the best for this crop. For field culture, sow in drills $2\frac{1}{2}$ feet apart, so as to cultivate by horse. Market gardeners sow in drills about 15 inches apart and cultivate by hand. For early crops cover $\frac{1}{2}$ inch deep, and thin to 6 inches apart in the rows; for late, cover $\frac{3}{4}$ inch deep and thin to 4 inches.



Danvers Half-Long Carrot

PULVERIZED SHEEP MANURE is an excellent fertilizer for Gardens and Lawns. It is entirely free from weed seeds. Put up in 50 and 100 pound bags.

Danvers Half-Long. One of the heaviest croppers; roots dark orange color, 8 to 10 inches in length, and ending in a somewhat abrupt point; first class for all soils. Pkt., .10; oz., .20; ¼ lb., .60

Oxheart, or Guerande. Roots short and very thick, and intermediate between Scarlet Horn and Chantenay; color deep orange; fine grained. Pkt., .10; oz., .20; ¼ lb., .60

Large White Belgian. Roots very large and smooth; grown exclusively for stock feeding. Grained. Pkt., .10; oz., .20; ¼ lb., .60

Improved Long Orange. The best known and most largely cultivated of any Carrot; excellent for stock or table use. Roots deep orange, 12 to 15 inches long. Pkt., .10; oz., .20; ¼ lb., .60

CAULIFLOWER

German,—Blumenkohl Spanish,—Coliflor
French,—Chou-fleur

One ounce of seed will produce 1,500 to 2,000 plants if sown in open ground, or about 3,000 in frames

To raise good Cauliflower there is nothing so essential to success as good seed. The best Cauliflower seed is very expensive, but it is worth to the grower ten times as much as cheap and carelessly grown seeds. The best results are obtained from using Snowball for main late crop, as well as for early use.

Early Cauliflower are difficult to raise and are not of the best quality, but when the plants are set out in July and the heads form in October, there is no difficulty in getting fine, large heads of first-class quality. The seed should be sown in open ground or cold frames about the middle of May or first of June, on good soil. When plants are large enough, transplant to rich, moist soil. These remarks refer to Snowball for main late crop, as well as for early use.

Henderson's Early Snowball. This is undoubtedly the finest ever introduced. It is the earliest and produces beautiful snow white heads of the most delicious flavor. The seed we offer is pure and genuine, and sure to prove satisfactory Pkt., .20; oz., \$2.50

Extra Selected Dwarf Early Erfurt. The finest strain of the Erfurt Cauliflower; almost as early as the Snowball; grows about 15 inches high; producing very solid, pure white heads of the very finest quality; seldom fails to form a good sized head. Pkt., .15; oz., \$2.50

All kinds of Insecticides. Spray Pumps, Power Sprayers, etc., always on hand. Call and examine or write for catalogue and prices.

CELERY

German,—Sellerie French,—Celeri Spanish,—Apio
One ounce will produce 3,000 plants

Sow seed the first or second week in April in hotbed or cold frame. As soon as the plants have attained a height of three inches transplant, setting them four inches apart. As fall approaches draw earth up to the plants, keeping the stalks well together. When well blanched it is ready for use. Some of the varieties, such as Golden Self-Blanching and White Plume, may be

blanched by simply placing a board 12 to 15 inches wide on edge on each side of the row.

Boston Market. The best and most popular sort for cultivation. Pkt., .10; oz., .75

Giant Pascal. A strong grower and wonderful keeper. Quality very fine. Pkt., .10; oz., .50

Golden Self-Blanching. A self-blanching early golden-colored variety that is very popular. Pkt., .10; oz., .75

White Plume. A variety that can be more easily grown than any other, as it does not require high banking to blanch the stalks. Simply earthing up enough to keep the stalks together or by passing a string around each plant is sufficient. Pkt., .10; oz., .50

CORN—Sugar

German,—Welfchkorn Spanish,—Maiz French,—Mais
One Half Pound will plant 50 hills; 12 Pounds will plant one acre in hills

Corn requires a good soil and a warm situation. Commence for first early by planting the early varieties about May 1, and if a continuous supply is wanted all summer, make plantings about two weeks apart from May 1 until the last of July, first planting early varieties, then later ones. Plant in rows 3 feet apart, and make the hills about the same distance apart in the rows. Five kernels in the hills are plenty. Cover about 1 inch deep for early and a little deeper for late. Thin to 3 plants in a hill. Add 6 cents per lb. and for each additional lb. to the same address add 1c, if to be sent by mail.



Crosby's Early

Crosby's Early. An early corn of large size and choice quality. It has long been a standard variety. ½ lb., .20; 1 lb., .35; 2 lbs., .60; 12 lbs., \$3.00

Early Red Cory. This variety is the favorite for first early. $\frac{1}{2}$ lb., .20; 1 lb., .35; 2 lbs., .60; 12 lbs., \$3.00

White Cob Cory. This is an improvement over the Early Cory as the cob is white, which gives it a finer appearance. It is as early as the Early Cory and of excellent quality.

$\frac{1}{2}$ lb., .20; 1 lb., .35; 2 lbs., .60; 12 lbs., \$3.00

Stowell's Evergreen. The best late corn for all purposes. It has been a leader for many years as a main crop variety and is unexcelled as a market corn.

$\frac{1}{2}$ lb., .20; 1 lb., .35; 2 lbs., .60; 12 lbs., \$3.00

Country Gentleman. This is the finest of the medium late varieties. The rows are zigzag with long slender kernels of delicious flavor.

$\frac{1}{2}$ lb., .20; 1 lb., .35; 2 lbs., .60; 12 lbs., \$3.00

Black Mexican. This corn when in condition for the table cooks remarkably white; but the ripe grain is black or bluish-black. It is surpassed by none in tenderness. $\frac{1}{2}$ lb., .20; 1 lb., .35; 2 lbs., .60; 12 lbs., \$3.00

Golden Bantam. The fact that the grains of this variety are yellow is an indication of hardness and its value for early planting and early maturity. It is a rapid grower, and produces ears measuring about 5 inches, but the smallness of ears is fully made up by the deliciously sweet flavor and tender quality of the corn when cooked. It is a fine variety for the home garden.

$\frac{1}{2}$ lb., .20; 1 lb., .35; 2 lbs., .65; 12 lbs., \$3.50

FIELD AND FODDER CORN

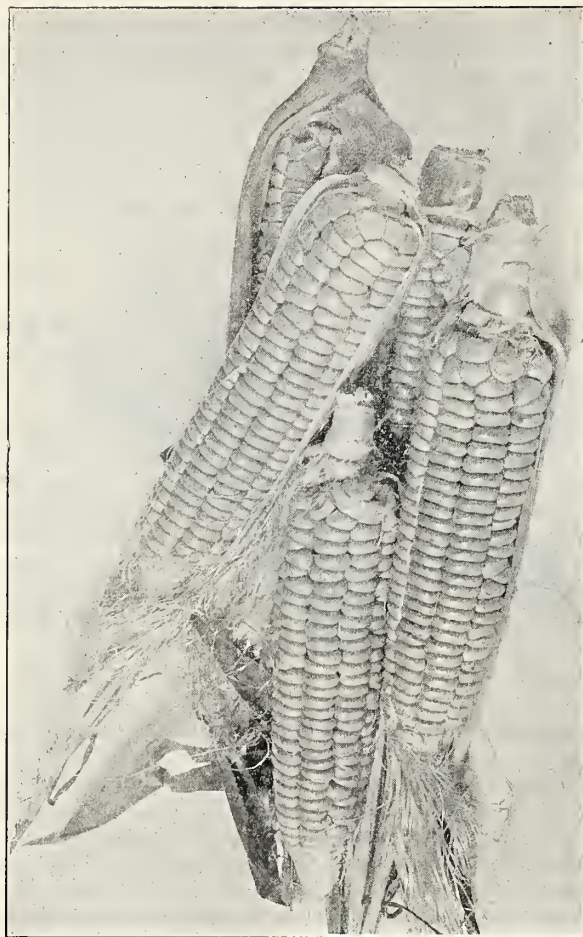
Prices will be quoted on application on the following corns. Please give the amount desired as well as the kind in all cases.

Southern White. A white variety that no silo owner or dairy farmer should overlook. It grows 12 to 16 feet high; has broad foliage and tender stalks. There is no better fodder to keep up the flow of milk during hot weather when the grass is burned up. Heavy cropper.

Leaming. An early, very heavy, long-eared corn. Grows to medium height with large amount of foliage. One of the best ensilage corns, very much relished by stock. Cob red, grain yellow.

Red Cob. A very large-growing white dent corn, with red cob. Fodder sweet, juicy and tender. Very popular in northern dairy districts.

Sanford. A well-known variety, adapted to the whole of New England. Kernels silvery white flint color; large and broad. An excellent fodder and ensilage corn.



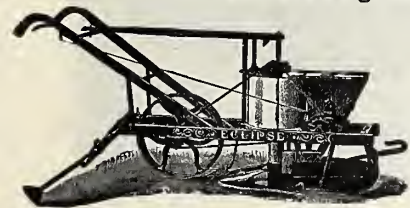
Golden Bantam

Eureka. One of the tallest and best ensilage corns grown. Grows very tall and is very productive of ears and leaves. For the silo this corn is rarely equalled.

Early Canada. An eight-rowed, yellow flint variety with small cob and deep grain. This is one of the earliest and best and seldom fails to produce a crop. The Early Canada seed we have to offer was grown in this State.

THE ORIGINAL ECLIPSE CORN PLANTER AND FERTILIZER DISTRIBUTER

For Planting Field or Ensilage Corn, Beans, Peas or Beet Seeds



Will accurately distribute all kinds of Commercial Fertilizer, Damp as well as Dry, Pulverized Hen or Sheep Manure, Plaster, Ashes and all other Fertilizer of a like Consistency.

The fertilizer is taken from the top of the hopper by a revolving scraper, then drawn to the center and falls through a tube on the valve, which opens and lets the fertilizer drop on each side of the seed, placing a layer of earth between the seed and the fertilizer. All is then covered at a uniform depth and rolled, which gives a quick growth and

even stand. Six changes can be made in the amount of fertilizer to be used, varying from 50 to 450 lbs. per acre. When ordered, special gears will be furnished which will sow 600 or 1,000 lbs. to the acre.

CHERVIL

One ounce will sow about 300 feet of drill

Cultivated like parsley. Sow thickly in May, in drills half an inch deep, one foot apart. Use while the leaves are young and tender.

Curled Chervil. The young leaves are used for garnishing, and flavoring soups.

Pkt., .10; oz., .20; ¼ lb., .45

CRESS OR PEPPERGRASS

German,—Areffe

French,—Cresson

Spanish,—Masuerzo

One ounce will sow 16 square feet, or 150 feet of drill

A popular salad, which should be sown early in the spring—very thickly in shallow drills—and at short intervals, for success, as it soon runs to seed.

Extra Curled. A small plant, having a fine pungent flavor, and used as a salad; may be cut two or three times.

Pkt., .10; oz., .15; ¼ lb., .35

True Water Cress. Grows along the banks of ponds and streams, and is easily introduced, wholly unlike Extra Curled; leaves are quite large and thick; a fine salad, sold in immense quantities in the large markets in spring.

Pkt., .10; oz., .60; ¼ lb., \$1.25

CUCUMBER

German,—Gurfe

French, Concombre

Spanish,—Pepino

One ounce will plant 50 hills; 2 pounds will plant an acre

Culture.—For earliest use, sow the seed in the hotbed or greenhouse in February or March, in warm loam, where the temperature is about 90 degrees. Cover half an inch deep, and when the plants are of fair size transplant into hills (made in the greenhouse), four plants in a hill, so that when the weather permits, the whole hill can be moved to the open ground by means

of tins made for that purpose. Plant for general use in the open ground about June 1, in hills 6 feet each way, and thin to three plants in a hill. Fine old manure (about six cords per acre) is sufficient; or, better still, plant on land from which a crop has been taken, and which was heavily manured for that crop.

Davis Perfect. As now selected, this popular new variety is well worthy of praise. The long, even fruits are of fine form, with an intensely dark rich green skin. With very few seeds, the solid white flesh is of superb quality for slicing. So handsome and regular are the fruits that they bring an extra price on market—often being taken for “hot-house grown.” The vines are of strong growth and quite prolific.

Pkt., .10; oz., .20; ¼ lb., .60

Extra Early Russian. Earliest variety known; hardy and productive. Fruit very small and quality fine for pickling and slicing.

Pkt., .10; oz., .20; ¼ lb., .60

Early Cluster. Fruit borne in pairs; light green; a great bearer.

Pkt., .10; oz., .20; ¼ lb., .60

Early Frame or Short Green. An excellent sort, both for table use and for pickling.

Pkt., .10; oz., .20; ¼ lb., .60

Early Fortune. An early variety, very productive, and of large size. Dark green in color which does not fade. The shape is uniform and the quality very fine.

Pkt., .10; oz., .20; ¼ lb., .60

Boston Pickling. Fruit short, smooth and pointed at each end, bright green and a great yielder; one of the best pickling.

Pkt., .10; oz., .20; ¼ lb., .60

White Spine Improved. The most popular strain of White Spine, and for general out-door culture, the best.

Pkt., .10; oz., .20; ¼ lb., .60

Long Green Improved. Fine for pickling when small; good for table use when about half grown.

Pkt., .10; oz., .20; ¼ lb., .60



White Spine Cucumber

Japanese Climbing. Vines are extra strong and foliage much more vigorous than other kinds, and being a climbing sort, can be grown on trellises, etc., saving much valuable space in small gardens. It is very prolific, from forty to fifty cucumbers having been counted on single plants. Fruit cylindrical, about ten inches long, thick and of fine flavor.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

DANDELION

German,—Lowenzahn French,—Pissenlit

Spanish,—Amargon

One ounce will sow 100 feet of drill

The Dandelion resembles endive, and affords one of the earliest as well as one of the most healthful spring greens. Sow as early as the weather will permit, in good, well-enriched soil, in rows 12 inches apart, covering seed $\frac{1}{4}$ of an inch deep, and firming the soil well over them. Thin to two or three inches apart in the rows; by so doing the roots will be larger and a great amount of time will be saved the next spring in trimming or gathering the crop. One pound per acre is sufficient.

Improved Thick-Leaved. Cultivate for spring greens; an immense improvement on the common dandelion, both in size and thickness of its leaves and fine flavor, being far less bitter. Pkt., .10; oz., .75; $\frac{1}{4}$ lb., \$2.50

EGGPLANT

German,—Gierpanze French,—Aubergine

Spanish,—Berengena

The Eggplant will thrive well in any good garden soil, but will repay good treatment. The seeds should be sown in hotbed or warm greenhouse in March or April, and when about an inch high potted in two-inch pots. Plant about June 1, two and one-half feet apart.

New York Improved Purple. The leading market variety, and undoubtedly the best for size, quality and productiveness. Pkt., .10; oz., .60

ENDIVE

German,—Gendive French,—Chicoree

Spanish,—Endivia

One of the most refreshing and attractive of all autumn and winter salads. Sow seed from the middle of June until the end of August.



Endive

Moss Curled. More finely curled, and a heavier and more dense plant than Green Curled.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .75

Broad-leaved Batavian (Escarolie). This variety is chiefly used in soups and stews; requires to be tied up in blanching.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .75



Kale

KALE OR BORECOLE

German,—Blatter-Kohl French,—Chou Vert

Spanish,—Breton

One ounce will produce 3,000 plants

Sow from the middle of April to the beginning of May in prepared beds; transplant in June, and treat in the same manner as for cabbage. Of all the cabbage tribe this is the most tender and delicate. The varieties are all extremely hardy, and are best when touched by frost.

Dwarf German Purple, or Brown Curled. Very hardy and of fine quality; so handsome that it is frequently grown for ornament. Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .75

Dwarf Green Curled Scotch. Rarely exceeding 18 inches in height, but spreading out under good cultivation to 3 feet in diameter; leaves beautifully curled and bright green. Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .75

KOHL RABI

German,—Rohl-Rab French,—Chou-Rave

Spanish,—Col de nabo

One ounce will sow 200 feet of drill

This vegetable, the popularity of which is rapidly increasing, combines the virtues of the turnip and cabbage, but excels both in nutritive, hardy and productive qualities. The seed may be sown in June in rows 18 inches apart, and the plants thinned out to eight or ten inches in the rows.

Purple Vienna. A little later than the White; color bluish purple. Pkt., .10; oz., .25; $\frac{1}{4}$ lb., .75

Large Green or White. Good for table and also for feeding stock. Pkt., .10; oz., .25; $\frac{1}{4}$ lb., .75

LEEK

German,—Lanch

French,—Poireau

Spanish,—Puerro

One ounce will plant 200 feet of drill

The leek is very hardy and easily cultivated; it succeeds best in a light but well-enriched soil. Sow as early in the spring as practical in drills one inch deep and one foot apart. When six or eight inches high they may be transplanted in rows ten inches apart each way as deep as possible, that the neck, being covered, may blanch.

American Flag

Pkt., .10; oz., .25; $\frac{1}{4}$ lb., .75

LETTUCE



German,—Lattich

French,—Laitue

Spanish,—Lechnga

One ounce will sow 120 feet of drill

Requires a rich, moist soil, and to be crisp and tender needs to be grown in cool weather. For winter use, sow in hotbeds every two weeks, at the rate of one ounce of seed to four sashes (a sash is three feet long by six feet wide); cover very lightly, and transplant, first to three inches apart each way, afterward to eight inches. For garden or field, sow in rows, cover one-fourth of an inch deep and thin out to 12 inches apart in the rows. For New England the White Seeded Tennisball for cultivation under glass, and the Black Seeded Tennisball for outdoor use are the standard varieties.

Big Boston. A most desirable variety, either for forcing in cold frames or open ground planting; always produces large, solid, saleable heads.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Boston Curled. Of ordinary quality but great beauty; highly ornamental in growth with its frilled leaves.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Prize-Head Early. Leaves green and red, very thin, crisp and tender; one of the best for private use.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Tennisball, Black-Seeded. A very popular sort for open-ground culture; forms a handsome head, and is crisp and tender.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Tennisball, White-Seeded. Extensively grown for forcing and heading under glass; heads firm and good. Crisp.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Simpson Early Curled (White Seed). A leading early sort for forcing or open ground.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Tomhannock. A variety with upright leaves, beautifully wrinkled, edges of outer leaves have reddish tinge; one of the best.

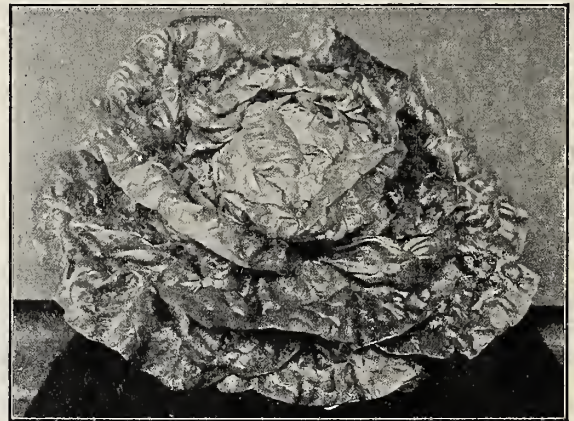
Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Boston Market. One of the best for forcing under glass, as well as for outside use; forms fair-sized heads, edge of leaves slightly tinged with red.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

May King. Probably the finest all-seasons lettuce yet introduced. It is very early and hardy, and will stand cold, damp weather better than many varieties. Planted out of doors or under glass it will produce fine solid heads much sooner than any other variety. Outer leaves are yellowish green, tinged with brown, while the inside is a rich yellow.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60



May King

Iceberg. A large, late, cabbage heading variety. Heads very firm and well blanchd. Color, medium green.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Grand Rapids. An excellent forcing variety with loose heads and of good size and form.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Brown Dutch. Leaves large, thick, green, tinged with brown; forms large, solid heads; exceedingly hardy.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

Hanson. Large, solid heads; tender, crisp and of a fine flavor.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

White Paris Cos. Has long, narrow, upright leaves; does not head, but when tied up blanches very nicely.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60

MELON, MUSK

German,—Melone

French,—Melon

Spanish,—Melon

One ounce will plant about 50 hills (2 to 3 pounds in hills) per acre

Melons thrive best in a light, rich soil. Plant early in May, when the ground has become warm and dry, in hills six feet apart each way for Muskmelons; eight feet for Watermelons. Previous to sowing the seed mix a few shovelfuls of well-rotted manure in each hill, and plant in each twelve to fifteen seeds; after all danger of bugs is over, thin out to three plants per hill. When about one foot long, pinch off the tips to make them branch, as it strengthens the growth of the vines and makes the fruit mature earlier. Feed liquid manure occasionally. A few hills for early use may be had by sowing on pieces of sod in a hotbed, and when warm enough transplant to open ground.



Musk Melon

Emerald Gem Melon. The Emerald Gem is entirely unlike any other muskmelon yet introduced. The melons are about the size of the Netted Gem, but unlike that variety, the skin, while ribbed, is perfectly smooth, and of very deep emerald green color. The flesh which is thicker than any other native melon of the size, is of a suffused salmon color, and ripens thoroughly to the thin green rind, which is distinctly defined. The flesh is peculiarly crystalline in appearance, and so very juicy, sweet and rich that it almost drops to pieces. It matures very early and is quite productive.

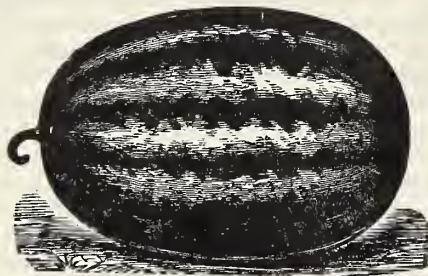
Pkt., .10; oz., .20; ¼ lb., .50

Rocky Ford. This new Muskmelon is similar to the oval strain of Netted Gem. The strain here offered originated with the melon growers in the vicinity of Rocky Ford, Col., who have shipped this melon from that distant Western point to Eastern markets. The melons grown by them are so fine in quality as to out-sell all others, and the demand for such melons has been far beyond the supply. Pkt., 10; oz., .20; ¼ lb., .50

Long Yellow Musk. A long, large melon of peculiar musky flavor; a rich, yellow color, both inside and out.

Pkt., .10; oz., .20; ¼ lb., .50

Early Hackensack. An improvement over the old Hackensack, producing melons of as good quality and ten days earlier. Large fruit, with thick, green flesh of the finest flavor. Pkt., .05; oz., .15; ¼ lb., .50



MELON, WATER

German,—Waffermelone

Spanish,—Zandia

French,—Melon d'Eau

One ounce will plant 50 hills

Prices on all varieties of Watermelons as follows:
.10 per pkt.; .15 per oz.; ¼ lb., .40.

Citron for Preserves. The old and well-known Preserving Citron; seeds red.

New Florida Favorite. An improvement on the old Florida Favorite, growing to double the size and more prolific. Its perfect shape, bright red crisp flesh, and delicious flavor, make it one of the best melons grown.

Phinney's Early. This is another very early melon, earlier than the preceding; it is hardy and a sure cropper and extensively cultivated in the North.

Peerless or Ice Cream. Very early; flesh firm and sugary.

Cuban Queen. Very productive; flesh bright red, very solid, crispy and sugary.

MUSTARD

German,—Senf

French,—Moutarde

Spanish,—Mostaza

One ounce will sow 75 feet of drill

As an ingredient, the green Mustard imparts a delightfully pungent flavor to the various forms of prepared salads. For early crops the seed may be sown in a hotbed in March, and for general crop at frequent intervals through the spring, in drills from eight to twelve inches apart.

White London. Considered the best for salads and spinach; leaves light green. It is best when about four inches high. Pkt., .05; oz., .10; ¼ lb., .15

Brown or Black.

Pkt., .05; oz., .10; ¼ lb., .15

ONION

Select the cleanest, richest land on the farm for the Onion crop. If onions were grown on the land the previous year, so much the better, but any good corn or potato land will do. Broadcast fifteen to twenty cords of fine, well-rotted manure to the acre and plow not deeper than six inches; harrow thoroughly, cross plow, and harrow again, after which hand rake with wood rake and remove stones and rubbish. Sow four to five

pounds of seed per acre in drills twelve to fourteen inches apart and about one-half inch deep. See that the Seed Drill is equipped with a good roller, that will press the earth firmly upon the seed. Sow as early in the spring as the ground can be properly worked. There is seldom necessity for thinning Onions if the land has been properly manured and seeded. After the Onions are three to four inches high, an application of about five hundred pounds to the acre of fertilizer, rich in available nitrogen, strwn between the rows, will be very beneficial. Keep the Onions growing by never allowing the weeds to get ahead and the acre should produce in a good average season, five hundred to seven hundred bushels. When the tops are down, the Onions may be pulled and left on the ground, and should be frequently turned with a wooden rake until tops are dried.



Yellow Globe Danvers

Yellow Globe Danvers. Undoubtedly the best known and most popular of all onions; the earliest yellow variety; is entirely free from stiff necks. Globular in shape; has a small top. It is the most productive onion grown.

Pkt., .10; oz., .30; ¼ lb., .75

Large Red Wethersfield. We have a very fine and select strain of this sort. Color is deep purplish red, flesh white, moderately grained and very firm. Yields enormously and is one of the best winter keeping onions.

Pkt., .10; oz., .30; ¼ lb., .75

White Portugal, or Silverskin. A large, flat, white onion of mild and pleasant flavor; hard and fine grained, and a good keeper. Extensively sown for sets, and is also largely grown for pickling.

Pkt., .10; oz., .30; ¼ lb., .75

Southport Red Globe. The onions from Southport, Ct., generally command an extra price in New York markets, because of their beautiful shape and color, due partly to the variety grown and partly to the favorable soil and the extra care taken in handling the crop.

Pkt., .10; oz., .30; ¼ lb., .75

Prize-Taker. A globe-shaped variety of delicate straw color, growing to a very large size. It ripens up hard and firm, the flesh being pure white. Fine grained and of fine, mild, delicate flavor.

Pkt., .10; oz., .30; ¼ lb., .75

ONION SETS

Potato Onion Sets.....lb., .30; 8 lbs., \$1.75
 Red Bottom Sets.....lb., .30; 8 lbs., 1.75
 White Bottom Sets.....lb., .30; 8 lbs., 1.75
 Yellow Bottom Sets.....lb., .30; 8 lbs., 1.75
 Top Sets.....lb., .30; 8 lbs., 1.75

Onion sets should be planted as early in the spring as convenient to obtain early green onions, but they may be set at any time up to June 1. Set in rows a foot apart and three to four inches between them in the row. Any good soil will suit them. When grown in quantities, high cultivation is given in order to forward the crop for an early market. They are ready for use as soon as the bulbs begin to be of fair size. Those not used in green condition will ripen early in July and make nice onions. Potato and Top onions are grown from bulbs only.



Moss Curled

PARSLEY

German,—Peterfile

French,—Persil

Spanish,—Perejil

One ounce for 150 feet of drill

Parsley succeeds best in rich, mellow soil. As the seed germinates very slowly, it should be sown early in spring, previously soaking the seed for a few hours in tepid water. Sow thickly in rows a foot apart and half an inch deep.

Champion Moss Curled. The standard variety.

Pkt., .10; oz., .20; ¼ lb., .50

Buy one of our Garden Seeders. You can save the price of it in one season in time and seed. It is the most economical of seeders made. Send for catalog and prices.

PEAS

German,—Erbren

French,—Pois

Spanish,—Guizante

One pound for 50 feet of drill; one to two bushels in drills for an acre

Peas come earliest to maturity in light, rich soil. For general crop, a deep loam or a soil strongly inclined to clay is best. For early crops decomposed leaves or leaf-mold should be used; or, if the soil is very poor, strong manure may be used. For general crops a good dressing should be applied, and for the dwarf-growing kinds the soil can hardly be too rich. When



Sutton's Excelsior

grown as a market crop, peas are never staked; for private use they are generally sown in double rows, and the tall varieties staked up by brush. For an early crop sow as soon as the ground can be worked, and make repeated sowings every two weeks for succession. After the first of June sowing should be discontinued until the middle of August, when a good crop may sometimes be secured by sowing an extra-early sort for fall use.

If sent by mail add .06 per lb.; and for each additional lb. to the same address add .01.

All marked thus (*) indicate wrinkled varieties.

Extra Early Dwarf Varieties

***Bliss American Wonder.** An old variety, but still highly prized for its flavor and quality. Of dwarf, robust habit, growing twelve to fifteen inches in height, and bearing an abundance of good-sized, well-filled pods.

Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

***Sutton's Excelsior.** Ripens early on vines fourteen to sixteen inches high, covered with a great abundance

of long, straight, broad pods of a pale green color.

Price Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

***Notts Excelsior.** This is the earliest dwarf wrinkled pea. The plant is dwarf and needs no support. The pods are of good size and well filled with large peas of the finest quality. It is as early as the American Wonder, while the vines are much more productive and the pods of larger size. There is no better early dwarf pea. Fifteen inches.

Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

***Laxtonian.** One of the best dwarf wrinkled peas for the market gardener. Pods about 4 inches long, resembling those of Gradus, but ripening a little earlier. Vines productive and vigorous; average height less than 18 inches.

Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

***Pioneer.** An improvement on the popular Laxtonian. Vines about 20 inches high; color, light green. Vigorous growth. The pods pointed and a little darker in color than the vine. Considered fully four days earlier than the Laxtonian

Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

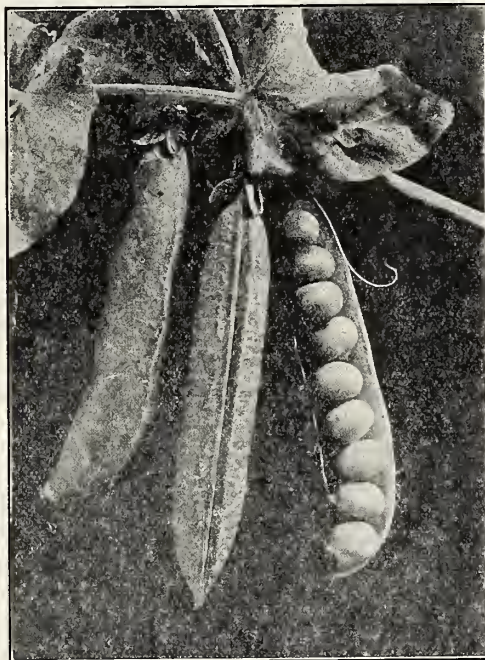
Extra Early Variety Not Dwarf

Alaska. An extra early round pea bearing pods of a dark green color; two feet.

Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

***Gradus or Prosperity.** It combines the finest quality with extreme earliness, and is also productive, bearing pods fully as large as Telephone. The color of the shelled peas is a beautiful light green, which color they retain after being cooked; the quality and flavor are delicious, and the peas remain tender and sweet for a long time.

Lb., .35; 2 lbs., .60; 14 lbs., \$3.50



Thomas Laxton

PEAS (Continued)

***Thomas Laxton.** One of the very best of the tall growing, large pod, early peas. The plant is a very hardy and strong grower, producing extra large pods in abundance. The quality is delicious, and cannot be surpassed by any other variety. The "Thomas Laxton" will mature nearly as early as any of the extra early smooth peas, and being a wrinkled sort is much sweeter.

Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

***Early Morn.** One of the earliest and most productive. The pods are very large and well filled. Very fine flavor.

Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

Second Early Varieties

***Telephone.** A pea of the finest quality, sweet and delicious. Medium late, growing four feet tall with pods of the largest size. Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

***Bliss Everbearing.** Medium late and very productive. Two feet tall. Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

***Dwarf Champion.** Possesses all the merits of the reliable Champion of England. A hardy, robust grower, producing dark green pods of good size and in great abundance. Quality excellent.

Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

***Dwarf Telephone (Carter's Daisy).** Similar to the Tall Telephone except in the height of the vine, which is only about two feet. Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

***Admiral Dewey.** An enormous cropper; peas very large and sweet. Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

Late Variety for General Crop

***Champion of England.** The standard for quality. Grows four feet tall, very prolific, and still one of the best late peas. Lb., .35; 2 lbs., .60; 14 lbs., \$3.50

White Marrowfat. A good late sort. Cultivated very extensively for the summer crop.

Lb., .25; 2 lbs., .45; 15 lbs., \$2.40

Black-Eyed Marrowfat. An old and standard late variety for garden or field use.

Lb., .25; 2 lbs., .45; 15 lbs., \$2.40

Canada Field. Seeds small white; for field culture only; largely used for sowing among oats. Price

Lb., .10; 15 lbs., \$1.35

PEPPER

German,—Pfeffer

French,—Piment

Spanish,—Pimiento

One ounce will produce 2,000 plants

Grown largely for pickles. Sow in hotbeds early in April, and transplant to the open ground when the weather is favorable. They should be planted in warm, mellow soil in rows 18 inches apart. They may also be sown in the open ground when danger of frost is past.

Large Bell, or Bull Nose. A favorite and well-known pickling sort. Is early, large, mild and thick skinned.

Pkt., .10; oz., .50

Long Red Cayenne. A small, long, bright red sort, very productive; extremely strong and pungent.

Pkt., .10; oz., .75

PUMPKIN

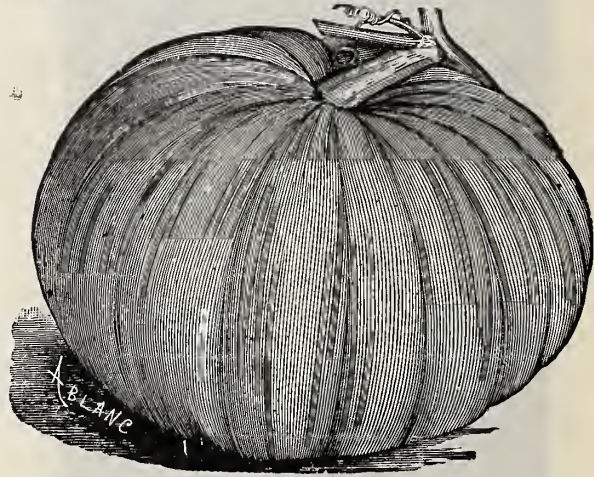
German,—Kurbis

French,—Potiron

Spanish,—Cabbage

One ounce will plant 20 hills

Pumpkins are grown chiefly as food for stock. The usual method of planting is to scatter a few seeds at intervals in the hills when planting Indian corn; in this way good crops of pumpkins are secured with slight labor and expense, and make a valuable addition to the season's crops.



Connecticut Field. The common yellow pumpkin, grown chiefly for feeding stock.

Pkg., .10; oz., .15; ¼ lb., .30; lb., \$1.00

Sweet or Sugar. A small variety, fine-grained and sweet; the best for table use.

Pkg., .10; oz., .15; ¼ lb., .40; lb., \$1.25

PARSNIP

German,—Pastinake

French,—Panais

Spanish,—Pastinaca

One ounce for 150 feet of drill; five pounds in drills for an acre

Sow in drills as early in spring as the weather will admit, fifteen inches apart, covering half an inch deep. When well up thin out to five or six inches apart in the rows. Unlike carrots, they are improved by frost, and it is usual to take up in the fall a certain quantity for winter use, leaving the rest in the ground till spring, to be dug as required.

Prices on all varieties of parsnips as follows:

Pkt., .10; oz., .20; ¼ lb., .50; prices in quantity on application.

Abbott's Improved Hollow Crown. Smooth and quite large; fine sort.

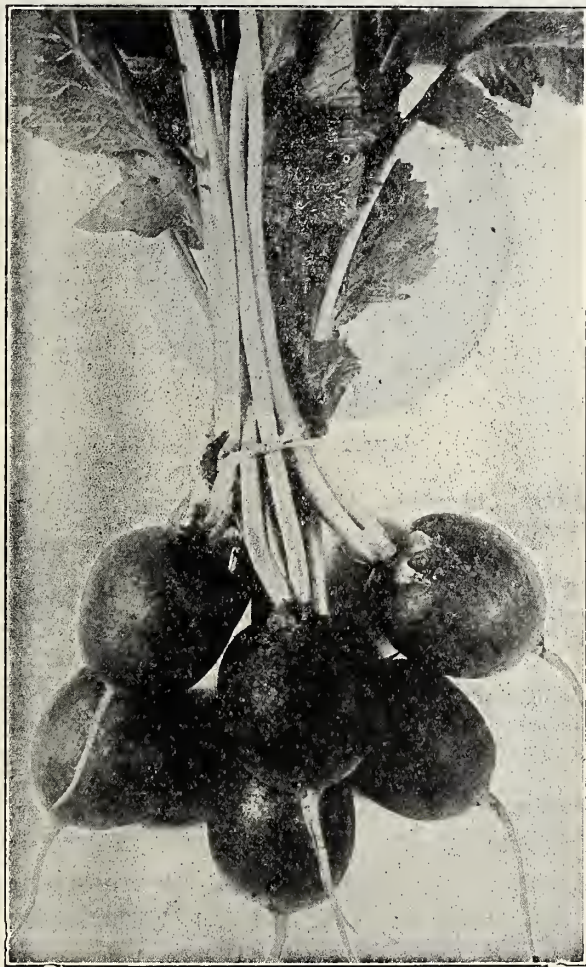
Guernsey. Roots not quite so long as Hollow Crown, but of greater diameter and more easily gathered.

Long Smooth. As name implies, very smooth, free from roots, and a general favorite.

RADISH

German,—Rettig, Rabies Spanish,—Rabano
French,—Radis, Rave, Petite Rave
One ounce will sow 100 feet of drill

Culture. The soil for Radishes should be very rich, light and mellow, well broken by digging, as their tender and mild qualities depend very much upon their rapid growth. For very early use sow in hotbeds in February and March and in the open air as soon as the ground can be worked, at intervals of ten or twelve days for a succession as long as they may be wanted. The winter varieties should be sown in August, lifted before severe frost, and stored in the cellar.



Early Scarlet Turnip Radish

French Breakfast. Olive-shaped scarlet, with white tip; crisp and tender. Very early. A general favorite.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.50

Early Scarlet Turnip. A well known and popular variety. Small top of quick growth, mild and crisp.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.50

Non Plus Ultra. One of the earliest forcing radishes, being ready for the table in three weeks from planting. Roots round and bright scarlet, crisp and delicate.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.50

China Rose. Bright rose-colored skin; flesh white and quality excellent; one of the best for fall and winter use.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.50

Long White Vienna. Of rapid growth and beautiful shape; skin and flesh snow-white. The finest of long white radishes. Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.50

Long Black Spanish. Long black, flesh white and slightly pungent; one of the latest and hardest.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.50

Round Black Spanish. Skin black, white fleshed and piquant flavor. Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.50

Vick's Scarlet Globe Radish. A leader among bright round Red Radishes. Quick maturing, extremely attractive, short tops, solid and fine flavor.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.50

Early Scarlet Turnip, White Tipped. One of the handsomest of the turnip radishes and a great favorite in many large markets for early planting outdoors. Roots slightly flattened on the under side; color, very deep scarlet with a white tip; flesh white and of the best quality.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.50

Crimson Giant Forcing. Best of forcing sorts. Grown larger than other turnip shaped varieties and fine eating.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.50

Long Scarlet. Short top. The standard variety of the long sorts, used either for forcing or open culture; six or seven inches long.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.50

Chartier. Decidedly distinct in appearance from any radish in cultivation. The color at the top being crimson, running into pink about the middle, and from thence downward it is a pure waxy white. It will attain a very large size before it becomes unfit for the table.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .50; lb., \$1.50

SALSIFY OR OYSTER PLANT

German,—Bocksbart

French,—Salsifis

Spanish,—Ostra vegetal

One ounce will sow 50 feet of drill

Culture. Sow the seed in light, deep soil, early in the spring, in drills twelve inches apart and one inch deep, thinning out the young plants to four or five inches. The roots will be ready for use in October, when a supply should be taken up and stored, like carrots. Those remaining till spring should be dug up before commencing their growth.

Mammoth Sandwich Island. We consider this the largest and most profitable salsify in cultivation. It is pure white in color and invaluable to market gardeners.

Pkt., .10; oz., .25; $\frac{1}{4}$ lb., .75

SUNFLOWER

Mammoth Russian. The standard large-growing variety, which is used largely for feeding poultry.

Pkt., .05; $\frac{1}{4}$ lb., .10

SPINACH

German,—Spinat

French,—Epinard

Spanish,—Espinaca

One ounce for 100 feet of drill; 10 to 12 pounds in drills for an acre

This is a very important crop in our market gardens, and is one of the most easily managed of all vegetables, requiring but little culture, and may be had fit for use the entire season. The main crop is sown in September. It is sometimes covered up in exposed places with straw or salt hay during winter, which prevents it from being cut with frost; but in sheltered fields there is no necessity for covering. For summer use it may be sown at intervals of two or three weeks from April to August. Spinach is best developed and most tender when grown in rich soil.



Spinach

Giant Thick Leaf. This variety gives the best results. The leaves are large, thick and somewhat crumpled, and it is equally good for spring or autumn sowing.

Pkt., .10; oz., .15; ¼ lb., .25; lb., .75

New Zealand. A valuable variety for the garden as it produces the thick, tender leaves throughout the summer. Grows very large and luxuriantly in warm, rich soil.

Pkt., .10; oz., .20; ¼ lb., .50; lb., \$1.75

Long Standing Thick Leaved. Stands longest before running to seed; dark green.

Pkt., .10; oz., .15; ¼ lb., .25; lb., .75

TOMATO

German,—Liebsapfel

Spanish,—Tomate

In this latitude to produce extra early tomatoes the seeds should be planted in the hotbed about the middle of February, in drills five inches apart, and not over one-half inch deep.

For ordinary plants, sow the seed early in March.

When the plants are two inches high they should be transplanted three to four inches apart. The final transplanting to the open ground may be made the last of May, when the plants should be fine, large and stocky, and if sufficient soil is taken up with each plant, they will keep right on growing with no setback.

Red Head. An early variety, bright red in color, round and smooth, uniform in size and with an excellent flavor. Pkt., .10; oz., .35

Earliana. It is remarkable for its earliness, very large size, handsome shape and bright red color. Its solidity and fine qualities are equal to the best medium and late sorts. Pkt., .10; oz., .40; ¼ lb., \$1.25



Dwarf Champion

Dwarf Champion. Dwarf and strong habit of growth; very solid and of extra quality.

Pkt., .10; oz., .40; ¼ lb., \$1.25

Livingston's Favorite. Smoother than the Paragon, is a darker red than the Perfection; ripens evenly, and is as early as any good variety.

Pkt., .10; oz., .40; ¼ lb., \$1.25

Livingston's Beauty. Very glossy, crimson in color, slight tinge of purple; early; free from rot; skin tough, bears handling remarkably well.

Pkt., .10; oz., .40; ¼ lb., \$1.25

Ponderosa. Very large, solid and of a good flavor. Specimens have been grown to weigh four pounds. Bright red. Very few seeds.

Pkt., .10; oz., .40; ¼ lb., \$1.25

Stone. Fruit very large and deep; bright scarlet, smooth, ripening evenly to the stem without a crack; exceedingly solid and firm-fleshed, of the finest quality; one of the best for family use and for canneries. Late.

Pkt., .10; oz., .40; ¼ lb., \$1.25

Chalk's Early Jewel. This is a very productive variety. Ripens nearly as early as Spark's Earliana, but is more desirable for home use as the fruits are thicker through and more solid; borne in large clusters. Color bright scarlet and quality good.

Pkt., .10; oz., .40; ¼ lb., \$1.25



June Pink. An early variety, similar in habit to the famous Earliana, differing only in its color, which is pink instead of red. Early, blight resisting, long and heavy yielding. An excellent shipper on account of its reasonably tough skin **Pkt., .10; oz., .40; ¼ lb., \$1.25**

Matchless. Very large, smooth, solid and fine flavor. Cardinal red. **Pkt., .10; oz., .40; ¼ lb., \$1.25**

John Baer. An extra early variety. Brilliant red. Almost seedless and sweet flavor. Uniform in size and ripening. **Pkt., .10; oz., .40; ¼ lb., \$1.25**

SQUASH

German,—Kurbiss French,—Courge
Spanish,—Calabaza

One ounce Early will plant 50 hills; one ounce Marrow, 25 hills

Culture. The plants are very tender and sensitive to cold, and planting must be delayed until settled warm weather. The general principles of culture are the same as those given for cucumbers and melons, but the plants are less particular as to soil. The summer varieties should be planted four feet apart each way, and the winter sorts eight feet. Three plants are sufficient for a hill. Care should be taken not to break the stems from the squashes intended for winter use, as the slightest injury will increase the liability to decay.

Improved Hubbard. The well-known and standard late variety; our strain is excellent.

Pkt., .10; oz., .15; ¼ lb., .50; lb., \$1.50

Golden Hubbard. A genuine Hubbard Squash except in color, which is a bright red, quality excellent.

Pkt., .10; oz., .15; ¼ lb., .50; lb., \$1.50

Warted Hubbard. A superior strain of mammoth size, and entirely covered with warty excrescences. Rich, dark-green color, and of very best quality.

Pkt., .10; oz., .15; ¼ lb., .50; lb., \$1.50

Giant Summer Crookneck. Double the size of an ordinary Crookneck and very warty, but similar in other respects. Their handsome appearance commands an extra price in the market.

Pkt., .10; oz., .15; ¼ lb., .50; lb., \$1.50

Delicious. We have found in this squash all that the originator claims for it. It is the driest, sweetest and finest flavored squash we have ever tasted. A fall and winter squash and is a good keeper.

Pkt., .10; oz., .15; ¼ lb., .50; lb., \$1.50

Boston Marrow. Fine fall variety; oval bright orange; flesh yellow and firm; best for pies, and also for canning.

Pkt., .10; oz., .15; ¼ lb., .50; lb., \$1.50

Early White Bush Scalloped. A standard summer variety; good either for home or market garden.

Pkt., .10; oz., .15; ¼ lb., .50; lb., \$1.50

Essex Hybrid or Hard-Shelled Turban. A standard winter sort; flesh a trifle darker than the Hubbard; an excellent keeper. **Pkt., .10; oz., .15; ¼ lb., .50; lb., \$1.50**

TOBACCO

Connecticut Seed Leaf. Best adapted for the climate of the Northern and Middle States.

Pkt., .10; oz., .30

TURNIP

German,—Steckrube French,—Navet
Spanish,—Nabo Comun

Turnips may be sown at all seasons from April to August in our climate, although those will be the best which are sown very early in spring for summer crops, and early in August for a fall and winter crop. A light soil, well manured the previous year, is the best. A few hundred pounds per acre of quick-acting fertilizer will have a tendency to make the roots smooth, and to make the rapid growth so essential in producing sweet and palatable turnips.

Extra Early Purple Top Milan (Flat). The earliest turnip in cultivation and a splendid variety; favorite with gardeners who want first turnips in market. Bulb white, flat, of medium size, with a bright purple top; one of the sweetest and finest flavored of summer sorts.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60; lb., \$2.00

Extra Early White Milan. This is one of our most popular turnips for spring sowing. It is a splendid extra early turnip in which the extreme earliness, small top and tap-root of the Purple Top Milan is united with clear white skin and flesh.

Pkt., .10; oz., .20; $\frac{1}{4}$ lb., .60; lb., \$2.00

Purple Top Strap Leaf. Rapid grower and mild flavor. The most popular variety for early use, either for the table or stock. Pkt., .10; oz., .15; $\frac{1}{4}$ lb., .40; lb., \$1.00

Yellow Stone. A very popular yellow-fleshed variety, fine for table use. Flesh very firm, tender, sweet and fine flavored; an excellent keeper.

Pkt., .10; oz., .15; $\frac{1}{4}$ lb., .40; lb., \$1.00

White Egg. Belongs to the class of quick-growing fall turnips, and for this purpose should be sown in this latitude between August 1 and 10. Its shape is nearly oval or egg, as its name would indicate.

Pkt., .10; oz., .15; $\frac{1}{4}$ lb., .40; lb., \$1.00



Ruta Baga or Swedish Turnip

Ruta Bagas, or Swedes, should be planted from the last of June to about July 10, as they require more time in which to mature than the Early or Strap Leaf varieties. Newly-turned soil will produce the sweetest and smoothest turnips.

Long Island Purple. Undoubtedly the finest variety of purple-top Ruta Baga. Leaves few and small; bulbs fine shaped with very short, small necks; purple crown, skin and flesh bright yellow, solid, sweet and mild flavor.

Pkt., .10; oz., .15; $\frac{1}{4}$ lb., .40; lb., \$1.00

White Sweet German. Sweet, and fine flavor. Good keeper. Pkt., .10; oz., .15; $\frac{1}{4}$ lb., .40; lb., \$1.00

Skirving's Purple Top. Well-known yellow fleshed variety of large size and fine quality; for stock or table. Pkt., .10; oz., .15; $\frac{1}{4}$ lb., .40; lb., \$1.00

Imperial Hardy Swede. Claimed by many to be the best Swede turnip grown. Bulb of large size with purple crown; flesh yellow; very smooth and heavy cropper.

Pkt., .10; oz., .15; $\frac{1}{4}$ lb., .40; lb., \$1.00

HERBS

Dill.....	Pkt., .10
Sage, Broad Leaf.....	Pkt., .10
Summer Savory.....	Pkt., .10
Catnip.....	Pkt., .10

QUANTITIES SEED REQUIRED

Kind of vegetable	Seeds or roots required for 100 feet of drill	One Acre	Distance between rows	Space in rows
Asparagus, seed	1 oz.	5 lbs.	30 to 36 in.	3 in.
Asparagus, roots	60 to 80		3 to 5 ft.	15 to 20 in.
Beans, dwarf	1 pt.	1 bu.	30 to 36 in.	2 in.
Beans, pole	$\frac{1}{2}$ pt.	$\frac{1}{2}$ bu.	3 to 4 ft.	3 to 4 ft.
Beets	1 oz.	6 lbs.	28 to 36 in.	2 in.
Brussels sprouts	$\frac{1}{4}$ oz.,	2 oz.	30 to 36 in.	16 to 24 in.
Cabbage, late	$\frac{1}{4}$ oz.	$\frac{1}{4}$ lb.	30 to 40 in.	16 to 24 in.
Carrot	$\frac{1}{2}$ oz.	2 lbs.	30 to 36 in.	2 in.
Cauliflower	$\frac{1}{4}$ oz.	1 oz.	30 to 36 in.	14 to 18 in.
Celery	$\frac{1}{4}$ oz.	$\frac{1}{4}$ lb.	3 to 6 ft.	2 in.
Corn, sweet	$\frac{1}{2}$ pt.	6 qts.	16 to 42 in.	4 to every 3 ft.
Cress, water	$\frac{1}{2}$ oz.		Broadcast	
Cucumber	$\frac{1}{2}$ oz.	2 lbs.	4 to 6 ft.	4 every 3 ft.
Eggplant	$\frac{1}{2}$ oz.	$\frac{1}{4}$ lb.	30 to 36 in.	18 in.
Endive	1 oz.	2 lbs.	30 in.	12 in.
Kale, or borecole	$\frac{1}{4}$ oz.	1 lb.	30 to 36 in.	18 in.
Kohl-rabi	$\frac{1}{4}$ oz.	1 lb.	30 to 36 in.	6 in.
Leek	$\frac{1}{2}$ oz.	4 lbs.	30 to 36 in.	4 in.
Lettuce	$\frac{1}{2}$ oz.	3 lbs.	30 in.	6 in.
Muskmelon	$\frac{1}{2}$ oz.	2 lbs.	6 to 8 ft.	4 every 4 ft.
Watermelon	1 oz.	2 lbs.	8 to 12 ft.	4 every 6 ft.
Mustard	$\frac{1}{4}$ oz.	1 lb.	30 to 36 in.	4 or 5 to ft.
Onion, seed	1 oz.	4 lbs.-5 lbs.	24 to 36 in.	2 in.
Onion, sets	1 qt.		24 to 36 in.	4 or 5 to ft.
Parsley	$\frac{1}{4}$ oz.	3 lbs.	24 to 36 in.	3 in.
Parsnip	$\frac{1}{2}$ oz.	3 lbs.	30 to 36 in.	2 in.
Peas	1 pt.	1 bu.	3 to 4 ft.	1 in.
Pepper	$\frac{1}{4}$ oz.	2 oz.	30 to 36 in.	15 in.
Potatoes, Irish	5 lbs.	16 bu.	30 to 36 in.	14 in.
Pumpkin	$\frac{1}{2}$ oz.	4 lbs.	8 to 12 ft.	4 every 6 ft.
Radish	1 oz.,	10 lbs.	24 to 36 in.	1 in.
Rhubarb, seed	$\frac{1}{2}$ oz.		36 in.	6 in.
Rhubarb, roots	33 roots		3 to 5 ft.	3 ft.
Ruta baga	$\frac{1}{4}$ oz.	2 lbs.	30 to 36 in.	6 in.
Salsify	1 oz.	8 lbs.	30 to 36 in.	2 in.
Spinach	$\frac{1}{2}$ oz.	8 lbs.	30 to 36 in.	2 in.
Squash, summer	$\frac{1}{2}$ oz.	4 lbs.	3 to 4 ft.	4 every 4 ft.
Squash, winter	$\frac{1}{2}$ oz.	2 lbs.	7 to 10 ft.	4 every 6 ft.
Tomato	$\frac{1}{4}$ oz.	1 $\frac{1}{2}$ oz.	3 to 5 ft.	3 by 4 ft.
Turnip	$\frac{1}{2}$ oz.	1 lb.	24 to 36 in.	2 in.

VEGETABLE AND FLOWER PLANTS

We have in their season a choice assortment of both vegetable and flower plants.

Tomato Plants. Essex Hybrid, Dwarf Champion, Chalk's Jewel, Earliana, etc.

Cabbage Plants. All Seasons, Stone Mason, Drum-head, Danish Ball Head, Early Summer, etc.

Cauliflower. Snowball.

Celery. Giant Pascal, Boston Market, White Plume.

Flower Plants. Pansies, Geraniums, Verbenas, Stocks, Salvia, Asters.

Our Plants are all grown for us locally and are hardy and vigorous. Prices as low as can be made and furnish good strong, healthy plants.

BIRD SEED

Add 6c per lb., each additional lb. add .01 for postage. Price subject to variations of the Market.

Canary. Sicily, selected. Sunflower. Russian

Hemp. Russian, first quality Millet.

Rape. Cuttle Fish Unhulled Rice.

Grasses and Grains

NOTE—Owing to the frequent changes in price of Grains and Grasses we have refrained from inserting prices of them in this catalogue. The lowest market price will be quoted on application.

SPECIAL ATTENTION

While we carry several grades of the different varieties of seeds, we recommend our Purity Brand as the very best the market affords. These seeds are strictly Northern grown, and are selected by us because they possess the two essential qualities of purity and vitality. It is well known that there have been large quantities of Grass and Clover Seed sold as pure, which official analysis has shown to contain large percentages of adulteration. This not only defrauds the planter by selling him a worse than useless article, but inflicts injury also by filling his land with noxious weeds. We list Grass and Clover Seed according to their quality, grading down from our Purity Brand, which is always the best.

Timothy, Clovers, Millets, Red Top
in several grades

Purity Brand Lawn Seed
Our own mixture, from the purest seeds obtainable.
We can surely please you on this brand.

CHOICE GRASS SEEDS FOR LAWN AND FARM

Timothy	Canadian Blue Grass
Medium Red Clover	Orchard Grass
Mammoth Red Clover	English Rye Grass
Alsike Clover	Meadow Fescue
White Clover	Rhode Island Bent
Crimson Clover	Meadow Oat Grass
White Sweet or Bokhara Clover	Sheep's Fescue
Alfalfa Clover	Crested Dog's Tail
Red Top	Sweet Vernal
Kentucky Blue Grass	

	Millets	
Hungarians	Japanese	Siberian

Grains
Prices subject to Market Changes
Barley, Fancy No. 1, Montana Two-Rowed.
Barley, Beardless.
Seed Oats, No. 1, Montana choice.
Spring Rye. Best Northern grown.
Winter Rye. New England grown.
Spring Wheat. Northern grown.
Winter Wheat. Northern grown.
Buckwheat.

Miscellaneous Seeds	
Canadian Field Peas	Dwarf Essex Rape
Soja Beans	Spring Vetch
Cow Peas	Winter Vetch

TABLE

Showing Weight per Bushel, also Quantities sown per acre of Grass, Grain and Vegetable Seeds

	Weight per Bushel	Quantity per acre Usually Sown
Timothy	45 lbs.	½ bu.
Clover, Red	60 lbs.	10 to 20 lbs.
Clover, Alsike	60 lbs.	10 to 15 lbs.
Clover, White	60 lbs.	10 to 15 lbs.
Clover, Crimson	60 lbs.	10 to 15 lbs.
Clover, Alfalfa	60 lbs.	15 to 20 lbs.
Red Top, unhulled	10 lbs.	2½ to 3 bu.
Red Top, cleaned	30-40 lbs.	10 to 15 lbs.
Millet, Hungarian	48 lbs.	½ to 1 bu.
Millet, German	50 lbs.	½ to 1 bu.
Millet, Japanese	35 lbs.	½ to ¾ bu.
Millet, Siberian	50 lbs.	½ to 1 bu.
Bent, Fancy	35 lbs.	15 bu.
Bent, R. I.	10 lbs.	3 bu.
Orchard Grass	14 lbs.	2 to 3 bu.
Blue Grass	14 lbs.	2 to 3 bu.
Fowl Meadow	11 lbs.	1 to 2 bu.
Lawn Seed	16 lbs.	3½ to 4½ lbs.
Lawn Seed, Special	40 lbs.	1½ to 2 bu.
Perennial Rye Grass	24 lbs.	
Italian Rye Grass	18 lbs.	
Tall Oat Grass	12 lbs.	

Yellow Oat Grass	8 lbs.	
Meadow Fescue	15 lbs.	
Tall Fescue	15 lbs.	
Sheep Fescue	12 lbs.	(Used in mix-
Hard Fescue	14 lbs.	tures for pas-
Meadow Foxtail	8 lbs.	tures)
Rough Stalked Meadow	4 lbs.	(Grains used
Wood Meadow	14 lbs.	for pastures,
Crested Dog's Tail	28 lbs.	grain lands,
Sweet Vernal	11 lbs.	etc.)
Seed Barley	48 lbs.	2 to 3 bu.
Seed Wheat	60 lbs.	1½ bu.
Seed Rye	56 lbs.	1½ bu.
Seed Oats	32 lbs.	2 to 3 bu.
Seed Buckwheat	48 lbs.	¾ to 1 bu.
Flax	56 lbs.	1 to 2 bu.
Canary	60 lbs.	
Hemp	40 lbs.	
Rape, German	50 lbs.	
Rape, Dwarf, Essex	50 lbs.	
Corn, Field	56 lbs.	8 to 12 [qts.
Corn, Fodder	56 lbs.	3 bu.
Corn, Sweet	45 lbs.	8 to 10 qts.
Beans, White	60 lbs.	1½ bu.
Beans, Red Kidney	60 lbs.	1½ bu.
Beans, Fancy	60 lbs.	1½ bu.
Peas, Smooth	60 lbs.	1½ to 3 bu.
Peas, Wrinkled	56 lbs.	1¼ to 2 bu.

INSECTICIDES and FUNGICIDES

SPRAY CALENDAR AND GUIDE

PEST	What to Use	Dilution, lbs.	1st Spraying	2d Spraying	Successive Sprayings
Codling Moth	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ¾	Immediately after blossoms fall	2 weeks later	Consult your Exper. Sta.
Canker Worm	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ¾	When young first appear	4-6 days later	" "
Tent Caterpillar	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ¾	As insects appear	As needed	" "
Leaf Crumpler	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ¾	About middle of May	As needed	" "
Slug	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ¾	When insects appear	Repeat 10 da. 2 wks. if necessary	" "
Plum Gouger	Dry Arsenate Lead	*¾ to 1	Before leaves and buds open		
Strawberry Crown Borer	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	Late summer		" "
Strawberry Leaf Roller	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	In August		" "
Strawberry Slug	Dry Arsenate Lead	*1 to 1½	In May when insects appear		" "
Strawberry Root Worm	Dry Arsenate Calcium	½			" "
Imported Currant Worm	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	As soon as insects appear		" "
Gooseberry Fruit Worm	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	As soon as insects appear		" "
Raspberry Slug	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	Early in spring		" "
Raspberry Byturus	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	1st of May		" "
Potato Beetle	Dry Arsenate Lead Dry Arsenate Calcium	*2 to 4 1½ to 2	When insects appear		Repeat as often as necessary

*To 50 gallons of water.

The above recommendations are condensed and are somewhat subject to change depending upon conditions in various sections of the country.

Where an effective combination Insecticide and Fungicide is desired, "Bordo-Arsenate" used at same strength as indicated for Dry Powdered Arsenate of Lead will give splendid results. Dry Powdered Bordeaux Mixture can be used as a dry dust just as it comes from the package or in combination with equal quantities of Dry Powdered Arsenate of Lead or Arsenate of Calcium. When using Dry Powdered Bordeaux Mixture as a wet spray use from three to five pounds to fifty gallons of water for the control of most fungus diseases.

Dry Powdered Insecticides can be used for dry dusting just as they come from the package.

For the convenience of the home gardener, the above table will be of interest.

Dry Powdered Arsenate of Lead where used at strength of one pound to fifty gallons of water, should be used at rate of two to three teaspoonfuls to one gallon of water.

Dry Powdered Arsenate of Calcium where used at rate of three-fourths pound to fifty gallons of water, should be used at rate of two to three teaspoonfuls to one gallon of water.

Dry Powdered Bordeaux Mixture when used at rate of three pounds to fifty gallons of water, should be used at the rate of from nine to twelve teaspoonfuls to one gallon of water.

Dry Powdered Bordo-Arsenate when used at rate of one pound to fifty gallons of water should be used at rate of three to four teaspoonfuls to one gallon of water.

ADVISED DUSTING SCHEDULE FOR APPLES

TIME:	MATERIAL:	TO CONTROL:
1. Late winter Spring	Dormant dust, soluble sulphur compound for liquid spray	Scale and early scab
2. Prepink Bud: 7 to 10 days before pink bud—just as the blossom buds commence to swell	Use "Pomodust"	Apple scab
3. Pink Bud: Just as the buds begin to show pink	Use "Pomodust"	Apple scab, bud moth, case bearer, and canker worms
4. CALYX: Just after petals fall.	Use "85-15" @ 85% sulphur and 15% Arsenate of Lead	Apple scab, codling moth, caterpillars of all kinds
5. 10 to 14 days after Calyx	Use "85-15"	Late broods of codling moth, lesser apple worm, and green fruit worm
6. About July 5-15	Use "85-15"	Apple maggot or R.R. worm tryptery

Three or four are the principal dustings to date—after this watch out and more or less dustings can be saved.

NOTES

(A) In damp season on varieties like McIntosh Reds and R. I. Greenings susceptible to apple scab apply a light dusting every 10 days, making 100 lbs. of "Sulfodust" cover 200 trees 20 yrs. of age.

(B) After Aug. 20th use "Sulfodust;" it contains no poison, and is cheap protection from apple scab and sooty blotch.

(C) Railroad Worm. Trap to find date of emergence and dust immediately with 85-15. This period usually first or second week in July. Repeat again in 14 days.

QUANTITY TO USE

For 20 yr. old trees use about one lb. Spec. 68 or Pomodust, 85-15 or "Sulfodust." Smaller or larger trees in proportion.

APHIS. In case of heavy infestation of aphid, use A-1 according to severity of infestation.

For schedule on cherries, pears and grapes see our bulletin "When and How to Dust."

INSECTICIDES and FUNGICIDES

Arsenate of Lead Powder

Arsenate of Lead Powder kills most leaf-eating insects like Potato Bugs, Canker Worms, Elm Leaf Beetle, Gypsy and Brown Tail Moths, Potato Beetle and similar insects that feed on the foliage.

Arsenate of Calcium Powder

The use of Arsenate of Calcium Powder as a stomach poison for controlling leaf-eating insects has become more general each year.

Lime Sulphur Powder

Lime Sulphur Powder is an improved standard spray material for dormant spray against scale insects.

Bordeaux Mixture Powder

Bordeaux Mixture Powder can be used wherever paste Bordeaux Mixture has been used heretofore. It is splendidly adapted for both fruit trees and truck crop work, and can be used in combination with any insecticide, either as a dry or a liquid spray.

Pure Paris Green—Ansbacher's



After having tried several of the other kinds of Paris Green we are convinced that Ansbacher's has no superior, consequently are handling this kind exclusively.

The price of Paris Green not being established at this time of going to press, we will be pleased to quote prices on application.

Bordo-Arsenate Powder The Two-in-One Spray

This product combines the killing properties of Arsenate of Lead and the fungus preventative qualities of Bordeaux Mixture.

Dry Powdered Bordo-Arsenate being a scientific combination of Arsenate of Lead and Bordeaux Mixture will control both external leaf-eating insects and fungus diseases at the same time. It is prepared in dry powdered form which is a decided advantage over the old form of paste products.

Send for full descriptive folder.

Prices on Application



These candles are the most satisfactory Sulphur Fumigating Candles made. They burn three hours.

Prices: .15 each; postpaid, .20; one doz., \$1.50 postpaid.

All Prices Subject to Change Without Notice

NIAGARA DUST MIXTURES

A number of these mixtures have been thoroughly standardized and are now recognized as the best combinations for the designated purposes. We list and furnish a number of these thoroughly tested and recognized standard mixtures and advise and recommend that these standard dust mixtures be used wherever possible.

Pomodust. Sulphur and Lead Arsenate.

Special 68. Dehydrated Copper Sulphate, Lime and Lead Arsenate.

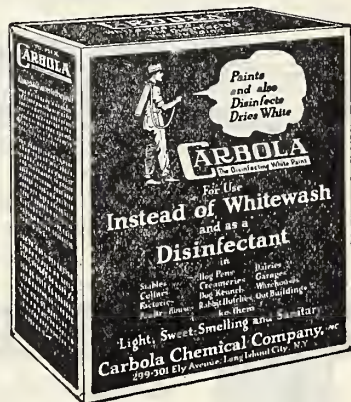
85-15. Sulphur and Lead Arsenate.

Sulfodust. Dusting Sulphur with special spreader and sticker.

Catalogue and prices on application.

Carbola

Carbola is a white paint in powder form combined with a disinfectant twenty times stronger than carbolic acid. It is neither poisonous nor caustic. It is ready to use as soon as mixed with water—no waiting or straining. It can be applied with a brush or spray pump to wood, brick, stone, cement, plaster-board, etc., or over whitewash.



Carbola will not clog the sprayer. It does not blister, flake or peel off. It dries out white with a smooth finish. It doesn't spoil by standing, even after it is mixed with water. It has no disagreeable odor. Its use will increase the light, improve the appearance and help make buildings clean, sweet-smelling and sanitary. It paints and disinfects at one operation, and is recommended for use

Instead of Whitewash and as a Disinfectant

Used in

Stables	Factories	Outbuildings
Cellars	Hog Pens	Dog Kennels
Dairies	Creameries	Rabbit Hutches
Garages	Warehouses	Poultry Houses

**Makes Work Easier
Saves Time, Labor and Money
Gives Better Results**

5 pounds (5 gal.).....	.75	Postpaid .90
10 pounds (10 gal.).....	1.25	Postpaid 1.50
50 pounds (50 gal.).....	5.00	



STERLINGWORTH CUT WORM KILLER

A coarse powder for sprinkling near plants to be protected. It has an enticing odor, and cut worms prefer it to vegetation. No guess work about its effectiveness, it gets them every time. The dead cut worms "tell" the story. One pound is sufficient for 100 plants in hills and 75 lineal feet in rows. Stop feeding your plants to cut worms.

Price: 1 lb., .40

Cannot be mailed



STERLINGWORTH LIQUID LICE & MITE KILLER

If, after using Sterlingworth Liquid Lice and Mite Killer, you believe it is not better than any other preparation you ever used for killing lice and mites in poultry houses, state the facts to us and we will refund the purchase price.

Prices: 1 qt., .50; postpaid, .60; 2 qts., .75; postpaid, .90; 1 gal., \$1.25.



STERLINGWORTH LIQUID BORDEAUX

A fungous remedy in the form of a thick paste. Is a preventative of rots, rusts and blights, mildews, etc., on fruits and vegetables. One gallon makes 10 to 50 gallons of mixture ready to use by adding water. Prices: 1 qt., .50; 1 gal., \$1.25



STERLINGWORTH CREOLUSOL

An ideal liquid Disinfectant. Germicide, Cleanser and Deodorizer. Has great powerful antiseptic and healing properties. It is a purifier and one of the best disinfectants for private and public sanitation. 1 gal., by express, \$2.00

DR. HESS DIP AND DISINFECTANT

Means Better Health Conditions
FOR YOUR FARM STOCK



It kills body parasites. It destroys disease germs. It keeps down foul odors. It makes healthful living quarters. It keeps the skin clean and healthy. Stock health is the basis of stock thrift.

For Household Use

For the Sick-room. Make a solution of Dr. Hess Dip and Disinfectant, 1 tablespoonful to a quart of soft, lukewarm water. Place in an open vessel in the sick-room and renew every other day.

Price: 1 qt., .65, postpaid, .75; 2 qts., \$1.00, postpaid, \$1.15.

We claim that Sterlingworth Lice Powder is the one best lice powder. You can see the dead lice drop from the bird treated with this powder. If it is not better than any lice powder you have ever used we will cheerfully return your money.

Prices: 15 oz., .25; postpaid, .35; 48 oz., .60; postpaid, .75.

STERLINGWORTH LICE POWDER



For use against leaf-eating insects such as rose slugs, currant worms, cabbage worms and many other leaf-eating insects where mild poison is required, as Powdered White Hellebore.

Price: 1/2 lb., .25.

STERLINGWORTH POWDERED HELLEBORE



P. A. C. FORMALDEHYDE

Prevents and Eradicates Stinking Smut of Wheat

Grain Smut prevails wherever oats and other grains are grown. Potato Scab is also more prevalent each year. Never plant potatoes without treating the seed with Formaldehyde.

For Oat, Wheat and Rye Smut (except loose smut of wheat and barley which this preparation will not control) spread the seed on the floor, sprinkle with P. A. C. Formaldehyde, 1 pound (1 pint) to 36 gallons of water, and shovel over to mix thoroughly, after which spread out and dry.

For Potato Scab, and to destroy other germs on seed potatoes, soak two hours in P. A. C. Formaldehyde, 1 pound to 15 gallons of water. Price, 1 lb. tins, \$.45

Kerosene Emulsion is an article of wide and varied usefulness. It kills the green plant louse scale and many other sucking insects at once.

Many kerosene emulsions are prepared from kerosene, a cheap grade of hard soap and water. Emulsions so made are less efficient than Sterlingworth Kerosene Emulsion which is made from Whale Oil Soap and Water-white Oil.

Price: 1 pt., .30; postpaid, .40; 1 qt., .50; postpaid, .60.

STERLINGWORTH KEROSENE EMULSION



Aphis or Plant Lice Killer

This is prepared exclusively for aphis or plant lice and spiders on house plants and vegetables. It is useful against most of the small sucking insects which infest house plants and greenhouse flowers. It is used by diluting one part of killer in fifteen parts of water and may be applied by spraying or sprinkling.



Price: Home size, one pint, .30; postpaid, .40.

All Prices Subject to Change Without Notice.

A combined insect killer and fungous remedy. It does what Bordeaux, Paris Green and Arsenate of Lead will do, all with one spraying. It contains a sticker that makes it stick like glue. Apply with any hand or power spray pump.

Full directions on label.

Prices: 1 lb., .40; 5 lbs., \$1.60; 10 lbs., \$3.00.

FISH OIL SOAP

For destruction of sucking insects and lice on plants and trees. Also essential as a spreader of nicotine sprays. Dissolve 1 pound Fish Oil Soap in 2 quarts of hot water, then add eight to ten gallons of cold water and apply with watering pot or sprayer. It may also be applied to trunks of trees and branches with a brush. One pound makes eight to ten gallons.

Price: 1 lb., \$.30; postpaid, \$.40.

WILL KILL FLIES

Formerly Known as Rough-on-Flies

Kills flies, vermin and lice. Increases the yield of milk. Insures more eggs and better poultry. Kills lice on cattle and sheep ticks. Heals scab and hoof rot. It is an excellent disinfectant. Every gallon guaranteed. One gallon cans, price per gallon, \$1.50

Creonoid

Barrett's Creonoid is an up-to-date preparation from coal tar of invaluable service to the poultrymen, stock raisers and farmers. It eliminates flies and mosquitoes, and insures sanitary conditions in stables, stock sheds, around barnyards, etc.

Price, gallon cans, \$1.10

STERLINGWORTH ANTI CROW CORN OIL

Protects newly planted corn from crows. Mix one part Anti Crow Corn Oil with two parts hot water. Price on application.

Insect Powder and Bellows Combined

Red Wing is the best Insect Powder that can be procured and once you try it you will use no other. For the destruction of Roaches, Bed-Bugs, Fleas, Moths, Ants, Flies, etc.

Prices: Small, 10c, Parcel Post, 5c. Large, 25c, Parcel Post, 6c.

Bug Death

Bug Death is a fine tenacious powder, scientifically compounded and finely ground. It may be applied in water or DRY, just as it comes in package. We recommend DRY application; no drawing water, no mixing solutions. The best time for dusting is early morning when plants are wet with dew, which makes the powder "stick like all possessed."

Prices: 1 lb., Sifter Top Carton, .20; postpaid, .29; 12 1/2 Lb. Box, \$1.40; postpaid, \$1.60; 100 Lb. Keg, \$9.00.

Bug Death Aphis

Bug Death Aphis is a Non-Arsenical Insecticide and Fungicide, designed for sucking insects, and for preventing fungous diseases on such crops, fruit trees and grapevines.

Prices: 12 Oz., Sifter Top Carton, .20; postpaid, .29; 80 Lb. Keg, \$9.00; 150 Lb. Keg, \$16.50.



THE FEENY MODEL B DUSTER

No other duster has the patented piston packing features of the Model B Duster. These features allow of the greatest moving volume of air and the greatest force with the least possible mechanical friction, insuring the easiest operation. With the Model B, the slightest movement forward of piston, produces a dust cloud of the highest type. This is due to the perfect compression which is accomplished in no other dusting device.

Price, \$1.25; Postpaid, \$1.35



DICKEY BUG DEATH DUSTER

For use in applying BUG DEATH, DRY, to small flower or vegetable gardens. It is a mighty handy thing to have around the house. Price, .50; postpaid, .55.

THE ACRE-AN-HOUR SIFTER

Is ideal for applying BUG DEATH DRY. It is the very latest, a remarkably effective and distinctly economical method. Easy to operate and gives quick covering to all plants and vines requiring a top application. The price for this especially useful farm utensil is 75 cts.; Postpaid, 85 cts.

Experience has proven that the liberal use of BUG DEATH three or four times in a season is most economical, as it saves going over many, many times, as is the case with arsenical poisons. Try it this season and learn the exceptional benefits that will accrue.

All Prices Subject to Change Without Notice

BETTER MILK

BETTER DAIRY and FOOD PRODUCTS

by using

B-K

STERILIZER — CLEANSER — DEODORANT
POWERFUL — SAFE — CLEAN — NON-POISONOUS — COLORLESS

Note These Remarkable Qualities of B-K

Powerful. By U. S. Hyg. Lab. Method of Test B-K has coefficient 10—i. e.—10 times greater germ killing strength than undiluted carbolic acid.

Safe. B-K contains no poison, acid, oil, or anything harmful to food products. Sterilizes utensils—is not a preservative.

Cleanser and solvent of casein and bacteria.

Deodorant. It destroys all odors and their cause—leaves no odor of itself—helps to keep the dairy and the products clean and sweet.

Clean. B-K is clear, and clean as water.

Cheap to Use. B-K is so powerful that very little makes many gallons of sterilizing solution.

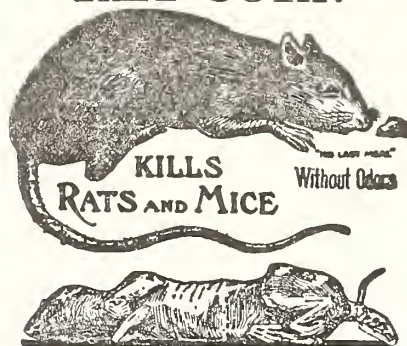
Put up in single gallon and single 5-gallon packages each separately boxed.

For Highest Sanitation in

Milk Plant	Farm Dairy	Creamery
Condensery	Milk Powder Plant	Cannery
Cheese Factory	Food Product Plant	
Ice Cream Factory	Bottling Plant	

Prices: Quart Bottle, \$1.25; Gallon Bottle, \$3.00; Five Gallon Jug, \$12.50.

RAT CORN



After eating Rat Corn he is mummified.

RAT CORN

It mummifies them. No matter where they die they simply DRY UP. Positively do not smell.

Rat Corn is a new and scientific discovery, and without a doubt the greatest rat destroyer in the world; the only one that kills rats without any bad, dangerous or disagreeable effects. A trial will convince you.

Prices: Small, .30. Medium, .50. Large, \$1.00. Postpaid.

All Prices Subject to Change Without Notice

LISTER'S STANDARD FERTILIZERS

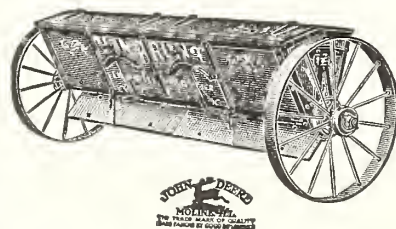
A FERTILIZER FOR EVERY CROP AND DIFFERENT SOIL REQUIREMENTS

GUARANTEED ANALYSIS

BRANDS	Ammonia	Ava.	P. A.	Potash
Lister's Success.....	2	8		2
Lister's Eastern Pride (Maine Only).....	3	8		4
Lister's Potato Manure (Maine and Mass. Only).....	4	8		7
High Grade Acid Phosphate.....	0	16		0

Write for prices.

Van Brunt Lime and Fertilizer Sower with Oscillating Agitators



"PREMIER" BRAND

Pulverized Poultry Manure

A complete natural fertilizer, supplying all the necessary plant food elements—Nitrogen, Phosphoric Acid and Potash—in combination with organic matter or humus, and it is this natural combination that produces the peculiar action and effect in the soil which can only be had from animal manures. It can be used without fear of weeds and foreign grasses that always follow the application of ordinary stable manures.

For the lawn there is nothing better, and its convenience makes it the logical fertilizer. There is no straw or other refuse in it as is always the case with crude manures. Barnyard manure should never be applied to a lawn, as it usually contains seeds of noxious weeds, which germinate and grow. A few weeks will show surprising results.

Its use on the vegetable garden will double the yield and insure better vegetables, also hurry the growth for earlier table use. Probably the best way to use it is to scatter it broadcast, harrowing or raking it lightly but reserving a little to use in the hills or drills. Then the young plants will have some nourishment close at hand to give them a good start.

FARMOGERM

A SEED INOCULANT THAT INCREASES CROP PRODUCTION

Seeds of all legumes—beans, peas, clover, alfalfa and related crops—will yield far better if inoculated with **Farmogerm**, and in addition leave in the soil a heavy deposit of nitrogen which benefits all succeeding crops. Gardeners and farmers who have used **Farmogerm** would not be without it.

Farmogerm Stays Good Indefinitely

Farmogerm keeps for years. Because of the method of sealing the bottle—a patented stopper which admits filtered air and keeps out all impurities—**Farmogerm** is just as good in five years as when first bottled. Other inoculants get weaker each day—**Farmogerm** always has its full strength. Just add water and shake the bottle and sprinkle over the seeds as directed. Your crop will benefit beyond your expectations.

Farmogerm is Economical

No other inoculant on the market is so strong and virile; no other inoculant will thoroughly treat as much seed. The one-acre size bottle of **Farmogerm** is sufficient for 15 pounds of clover, 20 pounds of alfalfa, 100 pounds of Canada Field Peas, 60 pounds of Vetch, etc.

A special composite culture is prepared for peas, beans and sweet peas— $\frac{1}{4}$ -acre size only. You'll get more peas and beans, and larger sweet peas by using this. Ask for No. 5, price 50 cents.

Farmogerm prices are: 1-acre size, \$1; 3-acre size, \$2.50; 12-acre size, \$9. Full directions accompany each bottle.



HUMOGERM Seed Inoculator

INSURES Quicker Catch—Bigger Crops
Alfalfa—Clovers—Soy Beans—Cow Peas.
 $2\frac{1}{2}$ Bushel Size (will treat $2\frac{1}{2}$ bu. seed) \$2.25; 1 Bushel Size \$1.00; $\frac{1}{2}$ Bushel .60;
 $\frac{1}{4}$ Bushel .35. State desired variety.

STIM-PLANT

PLANT STIMULANT TABLET

An All-the-Year Fertilizer for Garden and House Plants

Growers of fine flowers, shrubs and vegetables for the best markets and for exhibition, fertilize and stimulate them frequently, a little at a time. An excellent fertilizer for this purpose is **Stim-U-plant**, an odorless, highly concentrated plant-food, in tablet form, with guaranteed chemical analysis of 11 per cent. nitrogen, 12 per cent. phosphoric acid, 15 per cent. potash. The proportions are accurate, there is no

unnecessary filler, and in this form you are able to apply plant-food exactly when and where and as needed.

Make Your Garden a Wonder Garden

These tablets increase production, heighten color and improve quality. Many professional and amateur growers use them extensively all the year round—from early spring until late fall outdoors, during the winter for pot plants, hot-house benches, etc. They are equally as good for evergreens and other trees as for a small fern, petunia or other potted plant.

Stim-U-plant Tablets

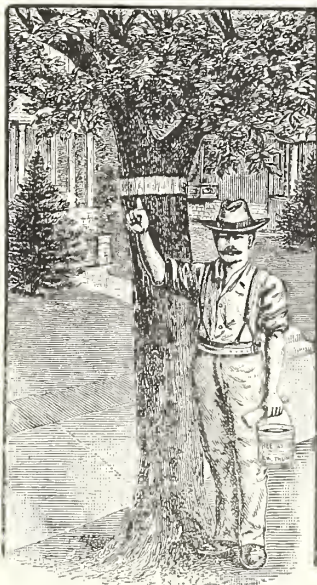
can be used in tablet form, or dissolved in water at the rate of one tablet to the quart. Complete directions with every package.

Order **Stim-U-plant** tablets with your seed and plant order. Price, 10 tablets for 15 cts., 30 for 25 cts., 100 for 75 cts., 1,000 for \$3.50.

TREE TANGLEFOOT

For protecting trees against climbing insect pests in a simple, economical and effective way, use **Tree Tanglefoot**—a sticky substance applied directly to the bark of trees. One application remains sticky on the trees three months, fully exposed to the weather. Easily applied with a small wooden paddle. One pound will make a band 7 to 8 feet long.

Price: 1-lb. can, .50; 3-lb. can, \$1.45. Postage extra.



GYPSY MOTH CREOSOTE

This is a special Creosote preparation for painting the egg clusters of the Gypsy Moth. The eggs are laid in the fall in clusters of two hundred to six hundred and should be destroyed between September and April.

Prices: 1 pt., .50, postpaid, .60; 1 qt., .75, postpaid, .85; 1 gal., \$1.25.

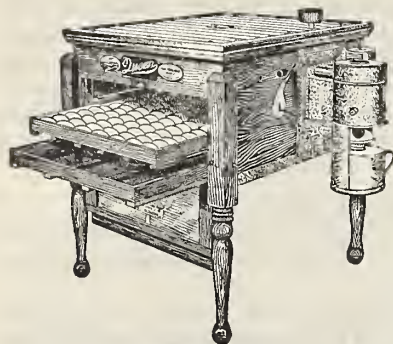


High Grade Tested Thermometers

Incubator Thermometer.....60; postpaid .65
Brooder Thermometer65; postpaid .70

Queen Incubators and Brooders

Stop Hatching Weak Chicks with Cheap Incubators



Queen Standard

live but a few days, mean nothing to you but trouble and loss. They make one sick of the poultry business.

Most of the chicks you lose in the first few weeks die because they did not have, when hatched, enough strength or vitality for a good start.

Proper Insulation

The Queen is doubly insulated. First we use double walls of California Redwood, forming a dead air space. Second, corrugated strawboard is used between the wooden walls.

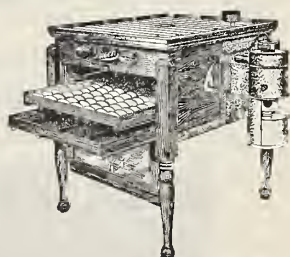
Queen Hot Water Heating

The Queen System of hot water heating prevents the drying out tendencies found in hot air incubators and provides a soft, uniform heat over every part of the egg chamber—a heat that is most natural for the hatching eggs. The circulation of water through the radiator prevents any moisture being added or taken away from the eggs. When it becomes necessary to remove the lamp, the hot water circulating through the radiator maintains an even heat within the egg chamber without the slightest variation.

Built of California Redwood

The Queen is the only Incubator that carries out the double redwood wall construction all around, and provides a double wall front, in the way of two separate doors. The outer door is a solid panel of redwood that is hinged entirely independent of the inner door.

The inner door is also of redwood construction, containing a panel of glass the full length and height of the egg chamber.



Queen Style K

A Queen costs but little more, and the extra chicks that live and grow soon pay the difference.

Remember, it is not how many chicks you HATCH that counts, but how many you RAISE. Chicks that hatch out weak and wobbly, and

No. 2 Queen Standard 135 Eggs, Shipping Wt. 95 lbs.
Price \$37.50

No. 3 Queen Standard 180 Eggs, Shipping Wt. 105 lbs.
Price \$44.50

No. 4 Queen Standard 275 Eggs, Shipping Wt. 145 lbs.
Price \$57.75

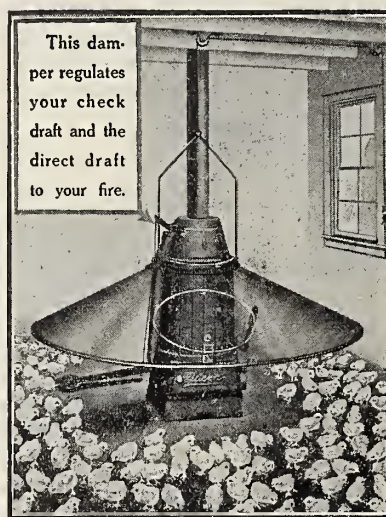
No. 5 Queen Standard 400 Eggs, Shipping Wt. 185 lbs.
Price \$68.00

No. 25 Queen Standard 600 Eggs, Shipping Wt. 250 lbs.
Price \$103.00

No. 21 Queen Style K 130 Eggs, Shipping Wt. 90 lbs.
Price \$27.50

No. 22 Queen Style K 220 Eggs, Shipping Wt. 135 lbs.
Price \$36.75

Queen Brooders



This damper regulates your check draft and the direct draft to your fire.

The Queen Colony Brooder is a new and improved design of brooder stove. It is made of highest quality iron castings that will wear and last indefinitely.

There are no drafts on the smoke pipe of the Queen. The check rests on top of the stove and opens outward when the fire is too warm, thus giving a gentle inflow of air to retard the heat.

While the opening of the draft to increase the fire is located at the top of the stove, it opens into the fire at the base through an opening extending down the side to the bottom. This feeds the draft into the fire from underneath with no opening below the hover.

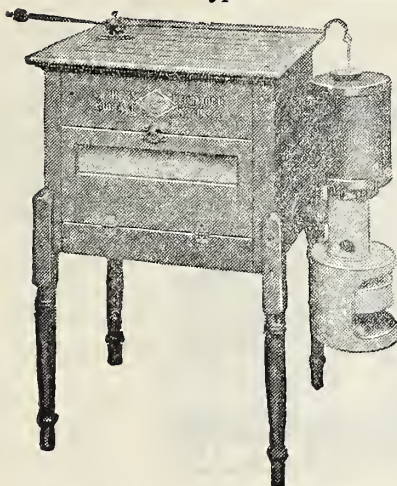
As will be seen from the illustration, the check and draft lids are cast together and operated together. Thus, when the fire is too hot, the wafer expands and closes the draft and opens the check, both at the same time. When it is too cool the wafer contracts and closes the check and opens the draft. This keeps an even heat all the time.

No. 1, 42 in. Hover, 600 Chicks, Shipping Wt. 77 lbs.
Price \$21.50

No. 2, 52 in. Hover, 1,200 Chicks, Shipping Wt. 104 lbs.
Price \$26.50

All Prices Subject to Change Without Notice

Cyphers Incubators



These are machines that for twenty years and more have been recognized as the "Standard hatchers of the world." Every Standard Cyphers Incubator is guaranteed by the manufacturers to do first-class work in the hands of every purchaser who will give it a fair trial. Are built in four popular sizes.

70 Egg Size, shipping weight	93 lbs.....	\$33.00
144 Egg Size, shipping weight	145 lbs.....	42.00
244 Egg Size, shipping weight	195 lbs.....	56.00
390 Egg Size, shipping weight	245 lbs.....	69.00

Cyphers Adaptable Hover

The Cyphers Adaptable Hover is self-ventilating and self-regulating. It is "adaptable" to use in Colony Coops, in portable houses, in home-made brooder coops, as well as in large brooding houses. It is constructed entirely of non-combustible material, and bears the fire underwriters' Inspected Brooder label. Capacity, seventy-five newly hatched chicks, or fifty chicks that are ten days to six weeks old. Weight 38 lbs. Price, \$18.00



International Sanitary Hover



Advantages possessed by the International Hover and not to be found in any other brooding device.

1. It is warmer at the curtain than near the center. This causes the chicks to distribute themselves just back of the edge of the curtain where they have a consistent supply of fresh air and plenty of room.

2. It is entirely circular and has no

corners for the chicks to crowd into.

3. The lamp holder can be lifted out through the top of the hover by a person standing up. This makes it unnecessary for the operator to kneel in the dust and mud to tend his lamp.

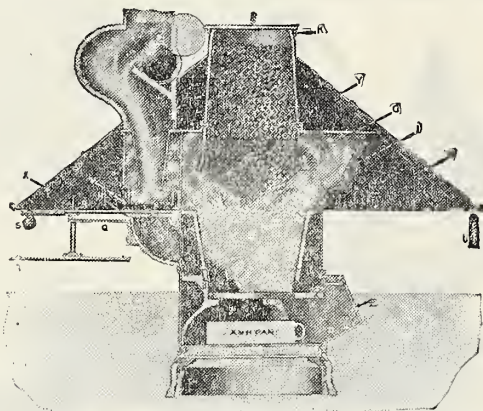
It gives ample heat under the hover without so

heating the surrounding floor space as to cause leg weakness among the chicks..

Price: Sanitary Hover, 28 in. Dia., Capacity 100 Chicks, Weight 24 lbs., \$13.50.

NEWTOWN Colony Brooder Coal-burning, Self-regulating

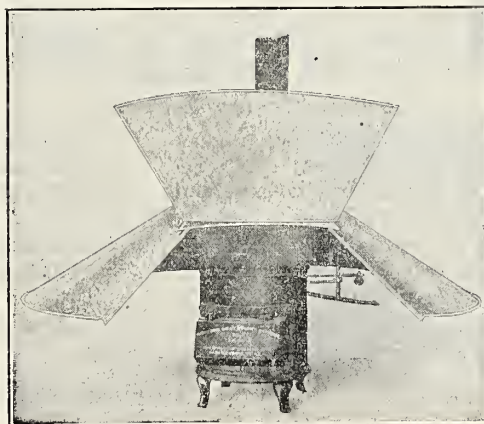
The Newtown Coal-burning Colony Brooder needs no introduction to poultrymen. It was the first coal-burning, self-feeding, self-regulating Colony Brooder put upon the market—has been longer in use than another of its type—and is giving efficient service in every State of the Union and nine foreign countries. It represents the modern up-to-date brooder in the highest form of development. The Newtown way is the proven road to better profits.



No.	Canopy	Weight	Price
7	48 in. Dia.	140 lbs.....	\$25.00
11	50 in. Dia.	195 lbs.....	32.50
12	56 in. Dia.	280 lbs.....	40.00

The Nos. 6 and 7 Newtown Coal-burning Colony Brooders were designed especially for single room brooder houses, approximately 6x8 to 10x12, and flocks of 200 to 300 chicks.

The Nos. 11 and 12 were designed especially for two-room colony houses, or large single room buildings. The No. 11 for approximately 240 square feet and up to 500 chicks. The No. 12 for 400 square feet and up to 1,000 chicks.



Poultry Charcoal



Is especially prepared for poultry, carefully screened and is different than other charcoals. Goods are put up in 50-lb. burlap bags in three sizes as follows:

Fine granulated for Brooder Chicks and Dry Chick Food Mixtures.

Medium granulated for Half Grown Fowls, Pigeons, etc.

Coarse granulated for Full Grown Fowls, Geese, Turkeys, etc

Price: Coarse, Medium and Fine, 50-lb. bags, \$1.90 each



Dr. Hess
Poultry
Pan-a-ce-a

Makes poultry healthy; makes hens lay; not a stimulant, but a tonic, that tones up the dormant egg organs, brings back the scratch and cackle, and compels each hen to put her share of eggs in the market basket.

It also contains internal antiseptics that counteract disease; insures a healthy, singing poultry flock. Cost but a trifle—a penny's worth enough for thirty hens per day.

Prices: 1½ lb. pkg., .25; postpaid, .35; 5 lb. pkg., .75; postpaid, .90; 12 lb. pkg., \$1.50; postpaid, \$1.70; 25 lb. pail, \$3.00.



Instant Louse Killer



Kills lice on poultry, horses, cattle; sheep ticks; bugs on cucumber, squash and melon vines; cabbage worms; slugs on rose bushes, etc. Sold in sifting-top cans—look for the word "Instant" before buying.

Prices: 1 lb. carton, .25; postpaid, .35; 2½ lb. carton, .50; postpaid, .60.

Conkey's Poultry Remedies

Conkey's Cholera Remedy.....	25 and 50c
Conkey's Roup Remedy.....	25 and 50c
Conkey's White Diarrhoea Remedy.....	25 and 50c
Conkey's Poultry Tonic.....	25c
Conkey's Head Lice Ointment.....	10 and 25c
Conkey's Lice Powder.....	10 and 25c
Conkey's Lice Liquid.....	35c
Conkey's Laying Tonic.....	25 and 50c
Conkey's Nox-i-cide Disinfectant.....	35c

Mica-Crystal Grit



Does not become smooth, but retains its cubical form until entirely worn out.

Coarse for Turkeys and Fowls.

Fine for growing Chicks and Pigeons.

Price: 100-lb. bag, \$1.15.



STERLINGWORTH DIARRHOEA REMEDY

This is a moneyback guaranteed remedy for white diarrhoea in young chicks and for all bowel trouble in grown fowls. It is the original White Diarrhoea Remedy. It is a powder to be used in the fowls' drink.

Prices: 25 and 50 cents postpaid.

Grenier Caponizing Set

Designed to simplify the operation of caponizing, so that the beginner can easily master it. This set consists of a lancet shaped knife, spring spreader, forceps, hook, ring, ring probe and canula. Price in velvet-lined case, \$3.50.

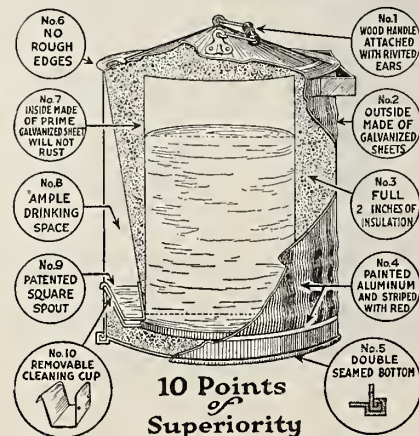
Poultry Killing Knives

These knives are made of the best steel and of special design. Price: .40 each; postpaid, .50.

Oyster Shells

Crushed and ground to the size which expert poultrymen agree to be the best. Price: 100-lb. bag, \$1.45.

Freezeless Fount



The simplest, handiest and most practical fountain made. Keeps water the right temperature all the year. Saves time, labor and worry and costs nothing to run.

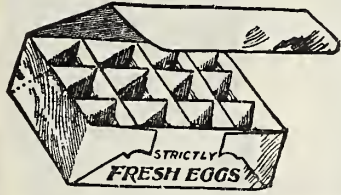
Prices:
Two gallon size, \$3.85.
Three gallon size, \$4.75.

Five gallon size, \$5.50.

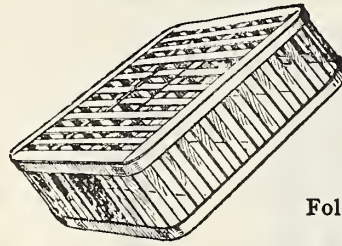
All Prices Subject to Change Without Notice

POULTRY SUPPLIES

Eagle Egg Boxes



Just the thing for the family egg trade. Shipped knocked down, easily set up. Prices: 1 dozen size, .20 per dozen, postpaid, .30; 125 for \$1.50, postpaid, \$1.75

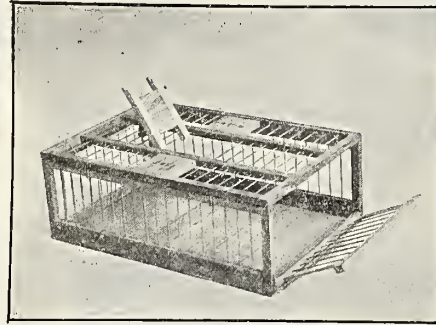


Round-Cornered Poultry Shipping Crates

Made of Green Elm, then thoroughly dried. The round corners prevent injury and loss by crowding, so frequent in square cornered crates.

Dimensions 24 in. x 36 in. x 12 in.
Price \$2.50.

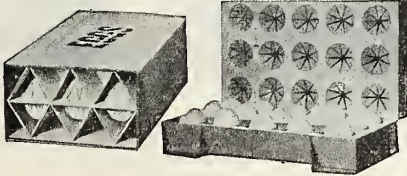
Folding Poultry Shipping Crates



Bottom and frame of crates are made of cypress. Sides and top of steel spring wire that will not bend or kink. When empty this crate is folded inward, making a very compact package. It is securely locked when thus folded for shipment.

Price \$3.00.

The Diamond Parcel Post Egg Carrier



Diamond parcel post egg carrier can be used repeatedly for a long time and each one will pay for itself many times in saving eggs from breakage. Shipped knocked down.

Prices: One dozen size, .35 each, postpaid, .40; per dozen, \$3.60, postpaid, \$3.80; two dozen size, .55 each, postpaid, .65; per dozen, \$5.30, postpaid, \$5.55; five dozen size, \$1.00 each, postpaid, \$1.12; per dozen, \$10.50; postpaid, \$11.00.

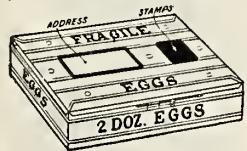
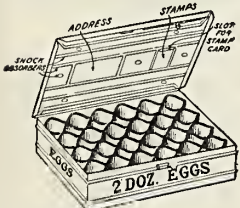
Hatching Sizes

15 egg size, .40 each; postpaid, .46; per dozen, \$3.75; postpaid, \$4.00.

30 Egg size, .60 each; postpaid, .68; per dozen, \$6.00; postpaid, \$6.35.

Sell Eggs by Mail

To Your City Friends Shipped in Aluminized Metal Egg Crates



Indestructible; pays for itself in a few shipments; lasts for years; makes interchangeable shipping easy. Buy yours now and realize more money for your eggs. Your friends want them.

The Metal Edge Filler is a wonder. A new invention and can not be beat for safely carrying Eggs by mail. Light in weight, but strong.

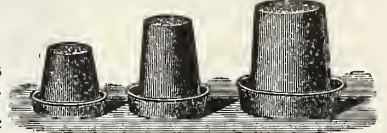
Prices: Two dozen size, \$1.50; postpaid, \$1.60; four dozen size, \$2.00; postpaid, \$2.12; six pound size, \$2.25; postpaid, \$2.35

No. 1 Combination, two pounds and one dozen size, \$1.50; postpaid, \$1.60.

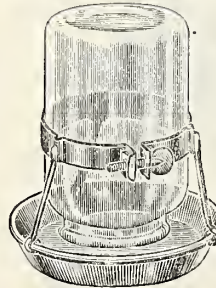
Bay State Drinking Fountains

The small size (1 quart) is designed for chicks and is especially handy for use in brooders. The medium size (2 quarts) is for larger chicks. The large (3½ quarts) size is for adult fowls.

Prices: Each, small, .30; postpaid, .35; medium, .40; postpaid, .47; large, .50; postpaid, .60...



Felker's Handy Attachment



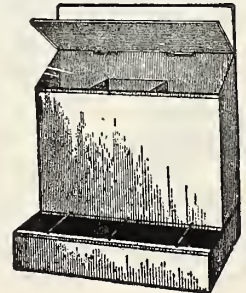
To be used with any make of Fruit Jar. A Perfect Feeder for Sour Milk, Water, Hard Grain or Grit.

The Container is made of aluminum, the only metal in which sour milk can be fed with safety. It is rust-proof and non-corroding. The HANDY is adjustable, simple to operate and durable. Every one has some kind of quart fruit jar—the HANDY fits them all. Price \$.30; postpaid, \$.35. Pat. Applied For.

Poultry Feeder

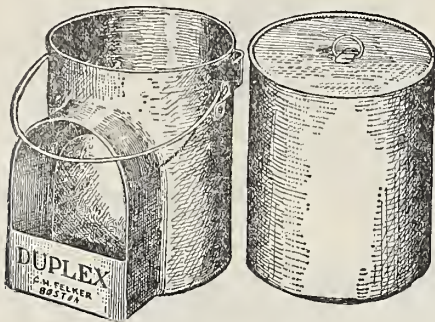
Our popular 1-2-3 Poultry Feeder can be used as a one, two or three apartment feeder, by simply changing the dividing walls. Perfectly sanitary and clean.

Price: Small, .90; postpaid, \$1.00; large, \$1.50; postpaid, \$1.70.



Duplex Sanitary Fountains

Top section slides into bottom section



Pat. Applied For

The latest and most practical sanitary fountain on the market. A double fountain. Keeps the water clean and pure and is easy to care for.

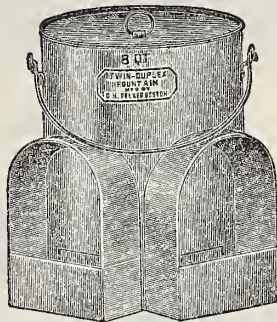
4 Quart Duplex Price \$1.25; Postpaid \$1.35
8 Quart Duplex Price \$1.50; Postpaid \$1.60

TWIN DUPLEX

Sanitary Fountain

Double feeding capacity, otherwise same as regular Duplex.

8 Quart Twin Duplex Price \$1.75; Postpaid, \$1.85.
5 Gallon Twin Duplex Price \$3.50; Postpaid, \$3.70.



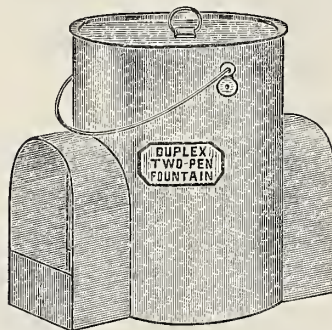
Duplex

Two Pen Fountain

This fountain will serve two pens at same time; gives good results and saves labor.

8 Quart Two Pen Price \$1.75; Postpaid \$1.85.

5 Gallon Two Pen Price \$3.50; Postpaid, \$3.70.



Peerless Drinking Fount

Very easy to clean by simply removing the bottom. Can either be hung on the wall or by the bail.

Price: 5-qt., \$1.00, postpaid, \$1.20;
10-qt., \$1.35; postpaid, \$1.60.



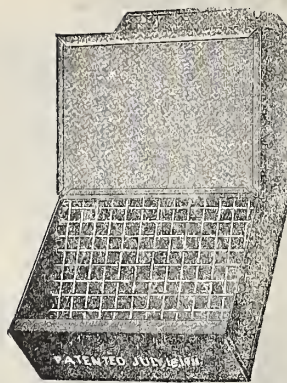
Peerless Brooder Fount

Just the fount for your brooder. Can be set on the floor or hung on the wall within reach of the chickens. Can be cleaned same as large founts.

Price: 1 qt., .40, postpaid, .45.



Sexton's Dry Feed Hopper



Open

Easy to fill. No waste. Rat proof. Rust Proof.

Pronounced to be the best Hopper offered. Simple in construction, easily operated and absolutely "rat" and "mouse" proof.

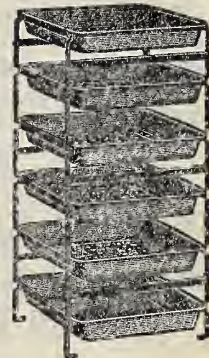
12 qt. Price \$1.60; postpaid, \$1.75
24 qt. Price \$2.75; postpaid, \$3.00



Closed

The Economy Oats Sprouter

The best device for producing clean sprouted oats. Has five perforated pans, each 16x17 in., and one drip pan at bottom. No lamp, no danger, very durable, compact. Green food all winter if you use the Economy Oats Sprouter, which means bigger egg yields, consequently more profit. Price \$7.85



Porcelain Nest Eggs

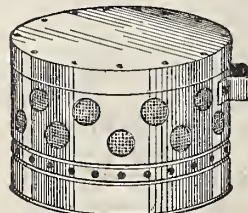
These Eggs are made of first class Flint Glass. They do not break easily and will last indefinitely.

Price, each, .05; per dozen, .60 postpaid.

Star Jar Fountain and Feeder, Patented
The most simple, practicable and durable Mason Jar

Fount on the market

Will fit pint, quart or one-half gallon Mason jar. Manufactured of one piece of non-rusting metal. No parts to come unsoldered. Leaking impossible. Convenient, cheap and sanitary. Provides greater drinking surface than the round fountain. Little chicks cannot get drowned. Can be used for feed as well as water. Manufactured in one size only. Price: .15; postpaid, .20.



The Peerless Heater

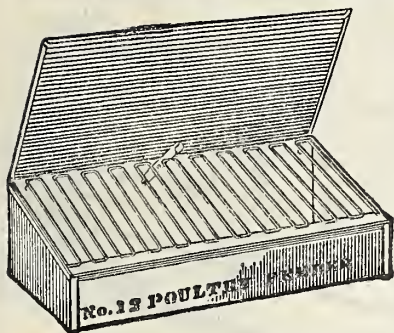
For winter use. Can be used with any fountain. Water will never freeze or become too warm. Easy to care for and costs but little to run. Taking the chill from the water means more eggs.

Price: \$2.00, postpaid, \$2.10

Pat. Jan. 18, 1910

All Prices Subject to Change Without Notice

Felker's Dry Mash Feeders



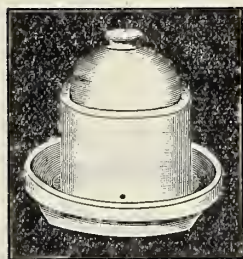
Made in two sizes. No. 12 and No. 24. No. 12, for a small colony of fowl or growing chickens. No. 4, a practical dry mash feeder for fowl. They cannot clog. They are dirt and rat proof, and are protected from

waste by an especially designed grid. Should be hung on the wall by two nails, as high as the fowl can reach with ease.

Prices: No. 12, .90, postpaid, \$1.00; No. 24, \$1.25, postpaid, \$1.40.

X-Ray Egg Tester

The X-Ray Egg Tester is made of the best block tin and consists of a central cylinder or lamp flue, $5\frac{1}{4}$ inches high with an outside diameter of $2\frac{5}{8}$ inches at the base and $2\frac{3}{8}$ inches at the top. It is designed for use in an ordinary hand lamp, fits over any style of burner with a diameter approximately that of the tester. In a dark room the light will be found strong enough to penetrate the shell and illuminate the interior of the egg. Price: .50 each; postpaid, .55.



Earthenware Drinking Fountains

$\frac{1}{4}$ Gal., each.....	\$0.40
$\frac{1}{2}$ Gal., each.....	.50
1 Gal., each.....	.65
2 Gal., each.....	.85

Wall Founts

All these wall founts have hoods over the troughs, which prevent dirt from settling in the water. Can be hung up on the wall, and for this reason are preferred by many to the 2-piece fount which must be placed on the floor.

Price: 1 gal., \$1.00, postpaid, \$1.10; 2 gal., \$1.30, postpaid, \$1.40.

Leader Adjustable Leg Bands



Latest and best adjustable leg band out. Has neat, compact and smooth fastening with no catching points.

Price, postpaid: 12, .12; 100, .80.

Spiralet Leg Bands

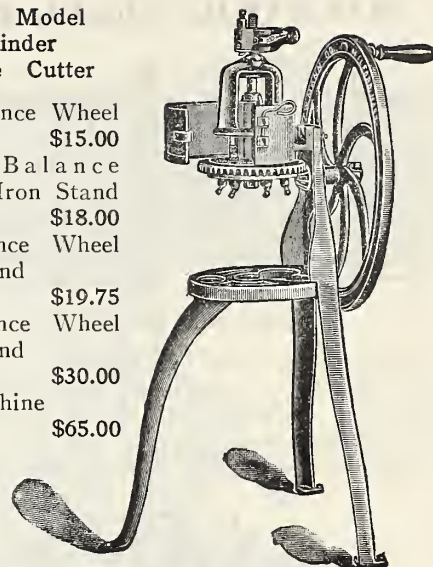
Made of celluloid in ten colors. Poultry size.

Price postpaid: 12, .12; 100, .80.



Mann's New Model Open Cylinder Green Bone Cutter

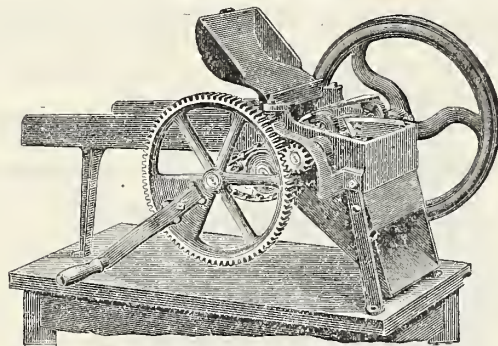
5B, with Balance Wheel	\$15.00
5 B M, with Balance Wheel and Iron Stand	\$18.00
7, with Balance Wheel and Iron Stand	\$19.75
9, with Balance Wheel and Iron Stand	\$30.00
12, Power Machine	\$65.00



"New Model" Clover Cutter For Poultry

Just the cutter for the poultry raiser. Cuts all kinds of feed, either green or dry. Has removable steel knives, adjustable cutter bar. It runs easy, cuts fine and is durable. With four 7-inch knives.

Our Price, \$21.00



Poultry Netting

We carry the well-known New Jersey Netting and guarantee it to be the very best. It is galvanized after weaving, has three salvage wires, where other makes have but two. It is coated with pure spelter, or zinc (tin rusts), and is full measure in length and width.

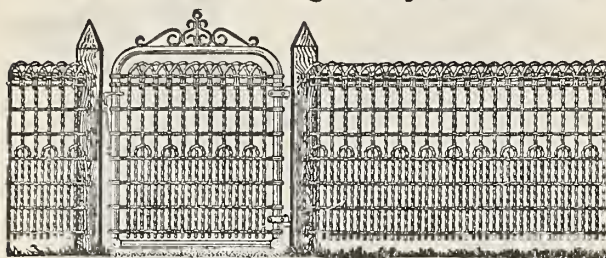
All sizes in both Poultry and Chicken mesh. Write for prices.

We also carry a full line of Plain Wire, Barbed Wire, Fence Staples, Poultry Staples, Nails, etc.



All Prices Subject to Market Changes

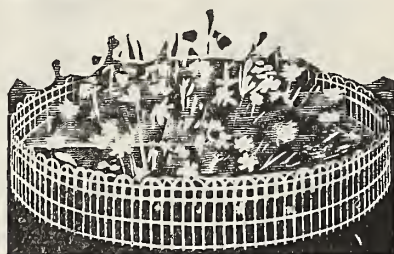
"NORWOOD" Quality Products



Style 600 Lawn Fence

Specifications—No. 9 wire crimped uprights spaced 2½ inches apart. Interwoven at bottom with an additional No. 9 wire crimped upright for a space of 20 inches from bottom.

Price: 42 inches high only, .21 per foot.



Norwood Flower Guard

Designed for the protection of flowers. Uprights made of No. 9 heavily galvanized wire. Furnished in two sizes, 16 inch, which sets 12 inches above ground; 22 inch, which sets 18 inches above ground.

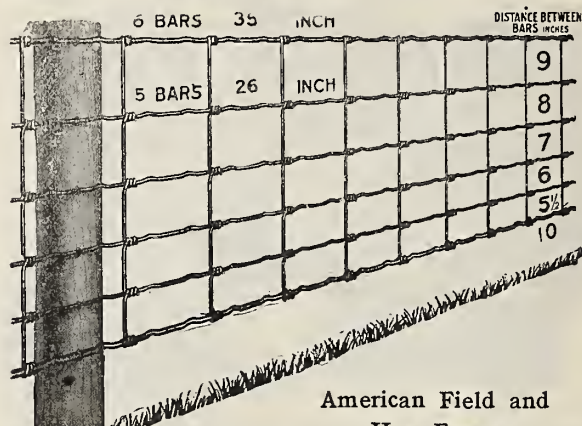
Prices: 16 inch, .10 per foot; 22 inch, .12 per foot.

List Prices on American Poultry and Rabbit Fence

Design No.	No. Bars	Height Inches	Distance between Bars—Inches	Stays	Approximate wt. lbs. per rod
	21	58	INCH		5
	20	53	INCH		5
	19	48	INCH		4½
	18	43	INCH		4½
	16	35	INCH		4
					4
					3½
					3½
					3
					2½
					2½
					2
					2
					1½
					1½

Design No.	No. Bars	Height Inches	Distance between Bars—Inches	Stays	Approximate wt. lbs. per rod	Price per rod
2158	21	58	6	10.3		\$1.37
1948	19	48	6	9.2		1.22

AMERICAN FIELD AND HOG FENCE



American Field and Hog Fence

Made of large, strong, high-grade steel wires, heavily galvanized. Amply provides for expansion and contraction. Is practically everlasting. Never goes wrong, no matter how great a strain is put on it. Does not mutilate but does, efficiently, turn cattle, horses, hogs and pigs.

Every rod of American Fence Guaranteed by the manufacturers. Call and see it. Can show you how it will save you money and fence your fields so they will stay fenced.

Design	No. Bars	Height Inches	Dis. bet. St. in.	List Price per rod
635	6	35	12	\$.76
845	8	45	12	.98
832	8	32	6	1.22

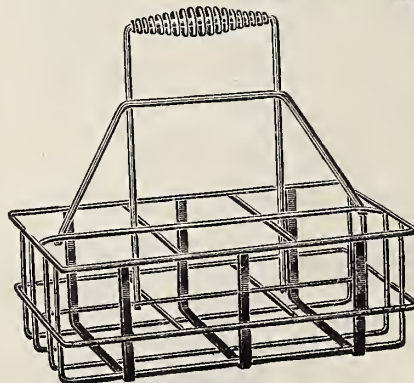
Write for our prices

Drives staples, pulls staples, cuts wire, splices wire, straightens wire. Price, \$1.75; postpaid, \$1.85.

STAPLE PULLING PLIERS



Electric Welded Wire Bottle Carrier



Guaranteed not to break at the welded points.

6 Quart Light.....	\$1.25; postpaid, \$1.35
8 Quart Light.....	\$1.50; postpaid, \$1.65
6 Quart Heavy.....	\$1.80; postpaid, \$1.95
8 Quart Heavy.....	\$2.00; postpaid, \$2.15

DAIRY SUPPLIES

Cylinder Churns

No. 0 will churn 1 gal- lon.....	\$3.70
No. 1 will churn 2¼ gallons.....	\$4.15
No 2 will churn 4 gal- lons.....	\$4.90
No. 3 will churn 7½ gallons.....	\$5.70
No. 4 will churn 10½ gallons.....	\$6.50

Lightning Sanitary Churn and Mixer

What it Does. It will actually make two pounds of butter from one pound of fresh, sweet milk. The butter is delicious and sweet. Follow directions and you will get results.

An Economical Luxury. If creamery butter is 34 cents a pound, and milk 4 cents a pint, your milk-charged table-butter made with this churn will cost 19 cents a pound. (The proportion is one pound of butter to one pound or pint of milk.)

Other Uses. The Lightning Sanitary Churn may also be used to make regular butter direct from cream; as a cream and egg beater; as a salad dressing or batter mixer; and as a butter renovator.

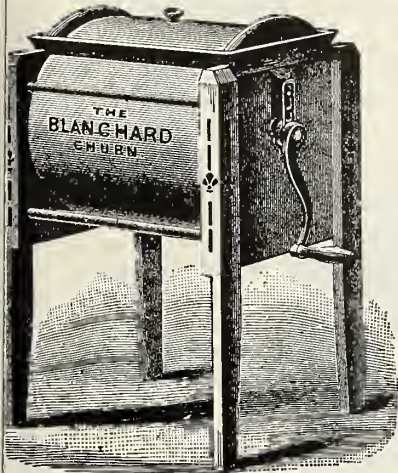
Prices: 1 qt., \$1.50, postpaid, \$1.65; 2 qt., \$2.00, postpaid, \$2.15; 3 qt., \$2.50, postpaid, \$2.70; 4 qt., \$3.00, postpaid, \$3.25.



The Blanchard Churn

Get the Best

The Blanchard Churn has been so long and favorably known that no extended description is necessary. For those wishing for a well made churn at a little higher price and one that will last a life time, this Churn will meet their requirements.



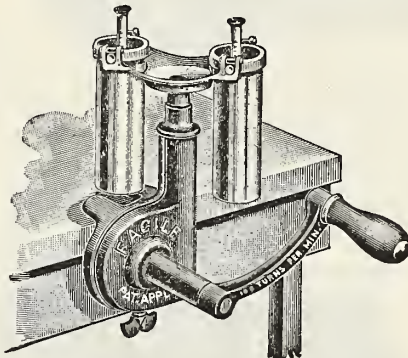
Capacity Sizes and Prices

No.	Capacity Gals.	Price
5	8.....	\$13.25
6	12.....	16.25
7	16.....	19.50

Stone Dash Churn

2 gallons, price with dasher.....	\$1.15
3 gallons, price with dasher.....	1.50
4 gallons, price with dasher.....	1.75
5 gallons, price with dasher.....	2.15
6 gallons, price with dasher.....	2.40

The "Facile, Jr.," Babcock Milk and Cream Tester—Cut Steel Gears



An exceedingly simple, light, compact and carefully designed apparatus, especially adapted to the use of the dairy, and also on account of its light weight, to the traveling dairy inspector.

Complete with full set of glass ware consisting of test bottles, pipette and acid measure; also test bottle brush and bottle of acid with full directions for use.

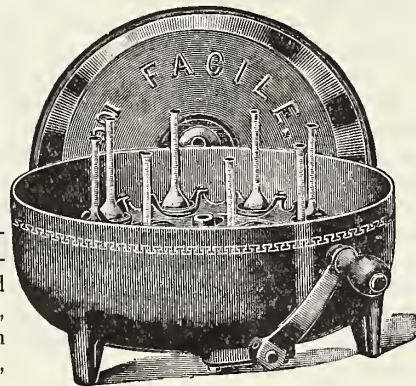
Prices: 2 Bottle Machine, \$9.75; 4 Bottle Machine, \$10.50.

The "Facile" Improved Iron Frame Hand Babcock Milk and Cream Tester

Handsome cast-iron case and cover, cut spur and worm gearing, malleable iron bottle carrier, seamless brass detachable swinging pockets for holding test bottles.

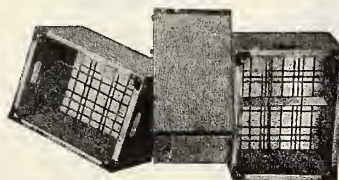
Enclosed gearing, bottles perfectly horizontal when rotating. Turns easily and runs smoothly and noiselessly at a very high speed.

6-bottle machine.....	\$22.25	10-bottle machine..	\$24.75
8-bottle machine.....	23.50	12-bottle machine.....	26.00

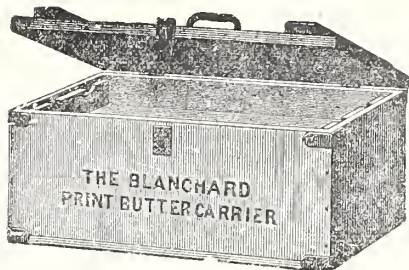


Milk Bottle Cases Wood Cases

16 pint.....	\$2.15
12 quart.....	1.90
Galvanized Cases	
16 pint.....	\$3.10
12 quart.....	3.00



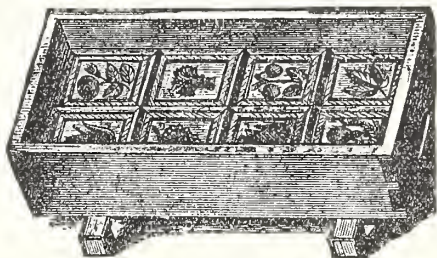
Blanchard Butter Carrier



No. 6½	4 trays, 12 lbs. capacity.....	\$3.15
No. 7	4 trays, 16 lbs. capacity.....	3.65
No. 8	4 trays, 24 lbs. capacity.....	4.15
No. 9	4 trays, 32 lbs. capacity.....	4.65
No. 10	5 trays, 40 lbs. capacity.....	5.20
No. 11	6 trays, 48 lbs. capacity.....	6.25

With or without galvanized ice boxes.

Will be shipped without ice boxes, unless they are ordered.

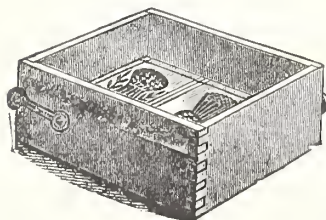


The Kinerson Combination Butter Prints

The Kinerson Prints are too well known to require elaborate advertising or testimonials. There are various devices on the market for printing butter, but the Kinerson Print has no real competitor. Its first cost is a trifle in advance of the cost of inferior goods, but no more so than is necessary to insure each customer of honorable business dealing, first-class workmanship, skilled engraving executed to order, and a thoroughly practical, simple and convenient Print which is the fruit of years of careful study, experiment and improvement—a Print that will save many times its original cost, in valuable time, and will outwear any other Print on the market. The above statements are made in thorough good faith and the Prints themselves will demonstrate their truthfulness.

These Prints will be carved with any Initial, Monogram or design wanted. Price including Cutters and Paddles, postage paid anywhere in New England.

Lb., \$8.00; 2 lbs., \$10.00 postpaid



Genuine Blanchard Butter Molds

Machine Carved

½ pound	.85 postpaid
1 pound	1.00 postpaid

The Sensible Bottle Filler

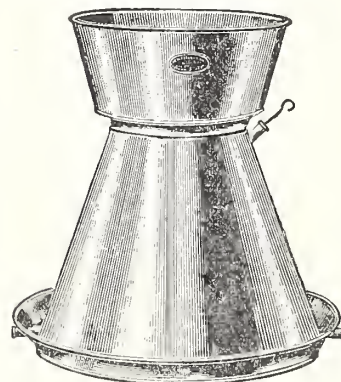
This is a small tank, heavily tinned and holding about sixty quarts. It has two straight bore faucets in the bottom near the edge. They are inexpensive and very handy for the small milk dealers who do not feel like paying a large sum for one of the larger machines. Price, each \$8.00.



Milk Bottle Caps

All Sizes and Styles, lb.....25; postpaid, .31
Prices on Larger Quantities on Application

Champion Milk Cooler Aerator



A perfect Aerator, removing all flavors arising from excessive cabbage, turnip or silo rations.

It is equally well adapted to the use of any cooling medium, either running water, ice water, or, if a very low temperature is not required, ordinary well or spring water.

Is automatic, requiring no attention while in operation.

No. 2 Holds 18 Quarts.	Takes care of 3 Milkers,
Shipping weight 30 lbs.	Price.....\$10.00
No. 3 Holds 34 Quarts.	Takes care of 5 Milkers,
Shipping weight 35 lbs.	Price.....\$12.00

Wyandotte Cleanser



Is especially adapted for use in Creameries, Cheese Factories, Ice Cream Plants, Hotels, Restaurants and Private Houses.

It is a Soda and Makes No Suds
Contains no Grease, Potash or Lye.

Will destroy nothing, but cleans and cleanses everything washed with it and is perfectly sanitary. For household use it has no equal. Sold in 5 lb. sacks at 40c. Postpaid, 50c.

All Prices Subject to Change Without Notice

DAIRY SUPPLIES

(Continued)

The "Boston" Aseptic Milking Tube



2¼ in., self-retaining. Exact size... PRICE \$0.25



2¼ in., plain. Exact size..... .25

The Boston Aseptic Milking Tube is recommended because it is so well finished and so easily sterilized. It is manufactured regularly in 1¼, 2¼, 2¾, 3¼ inch lengths; plain or self-retaining, as desired.

The "Boston" Aseptic Teat Dilator

(Dr. Murphy's Modification)



No More Hard Milkers

"Spider" in the teat is easily cured, and sphincter paralysis entirely disappears after a few days' use. Recommended by veterinarians and dairymen.

Price, 25c. each



Milk Test Bottle



Conn. Style Cream Test



Acid Meas.

Milk test bottles, 10 per cent, each..	\$0.30
Cream test bottles, 0 to 50 per cent each.....	.35
Ohlison's skim milk bottles, each....	.75
Milk and cream pipettes, each.....	.30
Acid measure, each.....	.25
Test bottle brush.....	.15

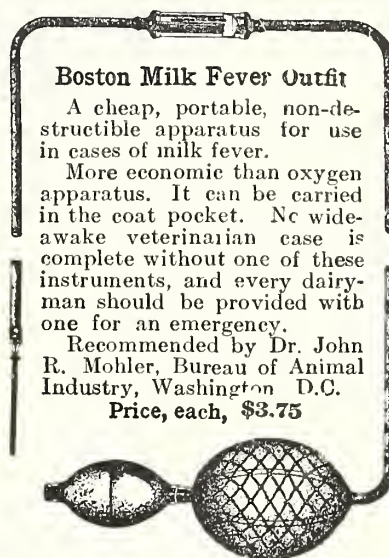
Boston Milk Fever Outfit

A cheap, portable, non-destructible apparatus for use in cases of milk fever.

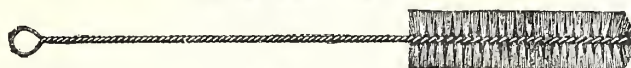
More economic than oxygen apparatus. It can be carried in the coat pocket. No wide-awake veterinarian case is complete without one of these instruments, and every dairyman should be provided with one for an emergency.

Recommended by Dr. John R. Mohler, Bureau of Animal Industry, Washington D.C.

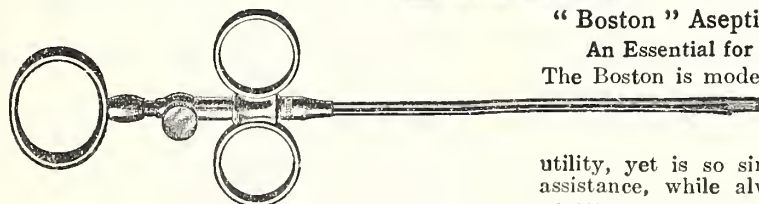
Price, each, \$3.75



Plain Pipette



Test Bottle Brush — For Cleaning Babcock Bottles



"Boston" Aseptic Stricture Cutter

An Essential for Every Dairyman

The Boston is modeled on improved lines, and embodies the highest class of workmanship and utility, yet is so simple that professional assistance, while always desirable, is not necessary.

Price, each, \$3.00

All Prices Subject to Change Without Notice

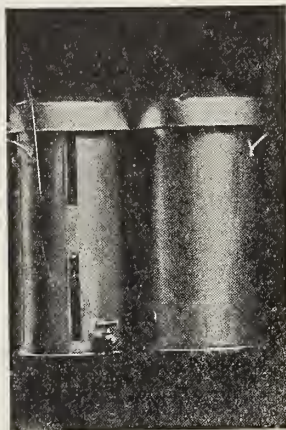
Creamery Cans for Milk and Cream Storage



Buffalo Milk Can with Lead Faucet, Gauge, Bail Handle and Cover.

Price.....\$2.50

Buffalo Cream Storage Can with Bail Handle and Cover. Price \$1.50

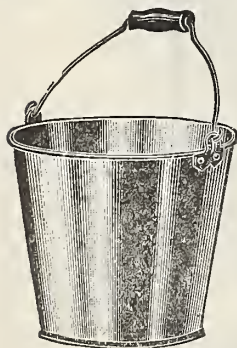


Goss Special Milk Can with Nickel Faucet, Cooley Cover, Gauge and Side Handles.

Price \$3.50

Goss Special Cream Storage Can with Cooley Cover and Side Handles.

Price.....\$2.15



Dairy Pails

10 Qt., lx	Each.....	\$0.45
12 Qt., lx	Each.....	.50
14 Qt., lx	Each.....	.55
10 Qt., lxx	Each.....	.55
12 Qt., lxx	Each.....	.60
14 Qt., lxx	Each.....	.65
10 Qt., lc	Flaring Each	.25
12 Qt., lxxx	Ex. Heavy Ea.	1.00



R. R. Special Milk Cans

20 quarts	Heavy Tin Cover\$5.25
40 quarts	Lock Cover 7.50

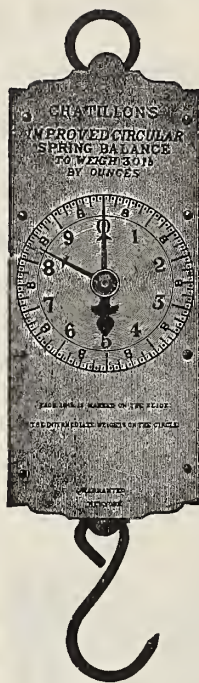
Milk Delivery Cans

8½ quarts\$2.00	10 quarts\$2.20
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Wooden Can Stoppers

3¼ in. x 3½ in.	Each, .10; Doz., .90.
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Milk and Cream Scales



These scales are made with a loose pointer which, by means of a thumbscrew on the center of the pointer, may be set anywhere on the dial, thus taking the tare of the milk pail, etc. They are made with pounds divided in ounces or decimally.

	Price
No. 260 M. O. 30 lbs. by 1 oz.....	\$6.75
No. 270 M. O. 60 lbs. by 2 oz.....	8.00
No. 260 M. D. 30 lbs. by 1-20 lb.....	6.75
No. 270 M. D. 60 lbs. by 1-10 lb.....	8.00

If sent by Parcel Post, add 15c each.

Common Sense Calf Feeder

What It Is. The Common Sense Calf Feeder is a simple, practical device for weaning and feeding calves, so simple and so practical that every calf owner will see the value of it at a glance.

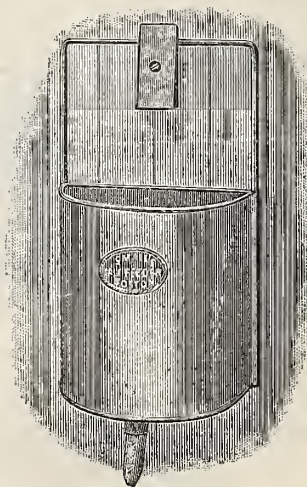


Price \$3.00; Postpaid, \$3.15. Extra Nipples, .27 Postpaid.

Small's Calf Feeder

This feeder holds seven quarts and weighs about four pounds. Its chief merits are not only in its convenience, but in the sleek, healthy calves it produces, as they suck their food slowly in a natural way.

Price \$4.00, Postpaid, \$4.15. Extra Nipples, .42, Postpaid.





Kow-Kare

The Great Medicine for Cows Only

It acts upon the digestive, generating and milk-secreting organs, keeping the entire system toned up and in perfect working order. It goes to the roots of the trouble, and cures cow diseases by removing the cause. Price: Small, .65; Postpaid, .75. Large, \$1.25; Postpaid, \$1.40.

Grange Garget Remedy

Grange Garget Remedy is favorably known to every dairyman. It is the most effective and satisfactory remedy for garget or hardening of the udder without in any way injuring the cow or lessening the flow of milk, and tones and invigorates the infected parts.

Price: .65; Postpaid, .75.



Bag Balm

For all diseases of udder and teats, such as caked bag, sore teats, bunches, chapping, cuts, or inflamed parts, you can use this remedy with perfect safety; positive results in every case.

Price: .60; Postpaid, .70.



Calves' Cordial

Is free if it fails to cure scours in cows and calves.

Price: .50; postpaid, .60.

Cows' Relief

It is used as a local application on cows' bags and teats. It will cure caked bags in 12 to 24 hours, if taken at the start.

Price: Small, .50; large, \$1.00.

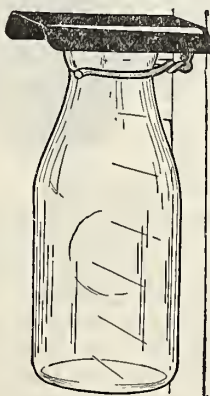
Postage extra, each size, .09.



THE IDEAL

The Ideal Milk Bottle Holder holds a bottle of Milk or empty bottle in a sanitary condition away from cats and dogs and is easily attached to wall or door casing with one screw.

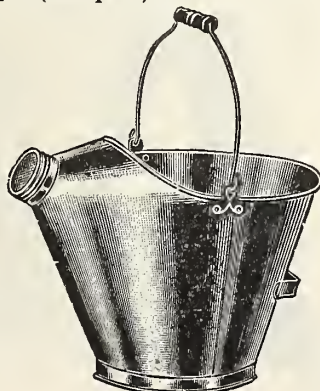
Price (Postpaid).....15



PAT. APD. FOR

MILK BOTTLE HOLDER

Strainer Pail No. 124
12 Qt., each, \$2.75



Dr. Hess Stock Tonic

Formula printed on every package.

Every ingredient indorsed by the U. S. Dispensatory and other high medical authorities. It aids digestion, makes stock healthy, and expels worms. Helps stock convert more ration into milk, flesh, blood and muscle. Every pound backed by the Dr. Hess & Clark unqualified guarantee.



This 25lb. Pail, \$2.25

Prices:

4 1/2 lb. Pkg.....	\$.50
12 lb. Pkg.....	1.00
25 lb. Pail.....	2.25
100 lb. Drum.....	8.00

Dr. Hess Worm Powder

For horses, sheep, cattle and hogs. It is highly concentrated and is an effective vermifuge. Dr. Hess' own prescription that proved effective in his practice.

Price, 1 1/2 lbs., .50.

Dr. Hess Healing Powder

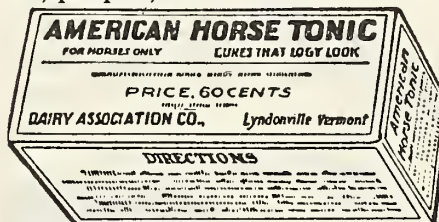
The modern gall cure. Cures galls, cuts, wounds, ulcers, grease heel. Antiseptic and soothing. Heals everything it touches by forming a coating, cleaning and closing up wounds. Comes in sifting-top cans.

Price: 4 oz., .25.



Horse Comfort

Nothing quite takes the place of Horse Comfort for a number of things to which all kinds of horses are susceptible. It is a real comfort and cannot be beaten in cases of blood poison, flesh wounds, wire cuts, galls and sores of long standing, proud flesh, scratches, mud fever, snag wounds, sore shoulders, grease heel, malignant ulcers, fistula, poll evil, corns in horses. Price per bottle: Small, .30, postpaid, .40; large, .60, postpaid, .70.

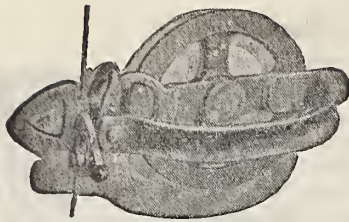


A reliable horse tonic is a great improver and conservator of the health of your horses. American Horse Tonic

is wonderful for building up horses' health. It is recommended as an effective worm expeller; restores lost appetite; best for use in cases of rough hair, coughs, inflammation of lungs or bowels. Price: .65, postpaid, .75

Arabian Scratches and Gall Cure

It is a scientific remedy for scratches and grease heel. It works as horsemen like to have it. Price: Small, .25, postpaid, .35; large, .50, postpaid, .60.



Porter "Slam and Slide" Barn Door Latch

Here is a device that meets with the enthusiastic approval of every farmer. The Porter "Slam and Slide" Barn Door Latch fills a long-felt want.

It is absolutely without equal for simplicity, strength, durability and cleverness of operation.

It works equally well right or left, on either slam or sliding doors.

Can be locked with padlock. The screws are protected. Adapted for any size door. Material is the very best malleable iron. Nicely finished. **Price: .50; postpaid, .60.**

Corner Hay Rack

- No. 3. Cast Top and Bottom and Steel Rods. **Price.....\$4.50**
 No. 12. All Cast Iron. **Price..... 3.00**



TIE OUT CHAIN



COW CHAIN

Eureka, 30 foot. Each.....**80**

Cow Chains

- | | | |
|----------|----------------|----|
| 2½ Foot. | Open Ring..... | 35 |
| 3 Foot. | Open Ring..... | 40 |
| 3½ Foot. | Open Ring..... | 45 |
| 4 Foot. | Open Ring..... | 55 |
| 4½ Foot. | Open Ring..... | 65 |
| 4½ Foot. | Bull..... | 90 |

Stake Chains

- 6½ foot with Ring and Hook. Pair.....**\$1.60**

Cattle Leads

- No. 52. Each.. **.20**
 Postpaid..... **.25**

Trace Chains

- 6½ Foot with hook, pair.....**\$1.60**
 Half with hook, pair.....**.90**

Lengtheners

- No. 57 with snap and six links, pair.....**.60**

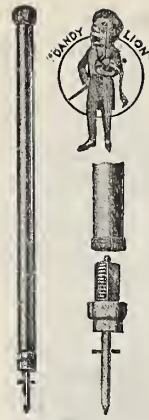
- Girting Chains, each.....**.30**

Halter Chains

- Tenso 2-0 4½ ft. Each.....**.30**

Tie Out Chains

- Eureka, 20 foot. Each.....**.60**



"Dandy-Lion" Weed Killer

Dandelion, Pigweed, Burdocks and other common weeds quickly and easily destroyed without cutting or digging, by use of the new "Dandy-Lion" Weed Exterminator. Cutting or pulling off the tops only retards the growth, the weeds soon re-appear, more vigorous than before. One operation with the "Dandy-Lion" kills root and all.

How It Works

All working parts are made easily accessible. The base with all working parts is quickly unscrewed and opened up for cleaning or adjustment. The plunger is pushed down into the crown of the weed and the hole is enlarged by moving the handle with a circular motion. Then by pressing down the handle, the valve opens, the desired amount of weed killing solution is deposited in the centre of the root to be killed and the work is done. **Price, \$1.00.**

Sisal

Rope Halters

- No. 614. 6½ feet End Snap. **Price: .20; Postpaid, .30**
 No. 202. 8½ feet One Snap, Illustrated. **Price: .30; Postpaid, .40**
 No. 200. 10 feet Two Snap. **Price: .40; Postpaid, .50**

Bull Rings

- | | | Postpaid |
|--------|-------------|---------------|
| 2½ in. | Steel..... | \$0.15 \$0.17 |
| 2½ in. | Copper..... | .35 .37 |
| 3 in. | Copper..... | .40 .42 |
| 3½ in. | Bronze..... | 1.80 1.85 |



Corner Feed Manger

- No. 3, Plain Edge, 17x17.....**\$3.00**
 No. 6, Rolled Edge, 17x17.....**3.35**

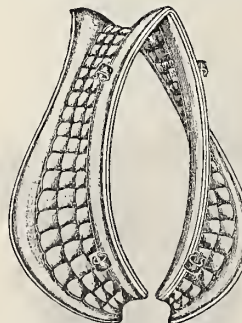
Ox Balls

- | | | |
|---------|------------------------|------|
| No. 12. | Each..... | .10 |
| No. 13. | Each..... | .12 |
| No. 14. | Each..... | .15 |
| No. 30. | Each..... | .25 |
| No. 8. | Extra Large, Each..... | 2.00 |



Horse Collar Pads

Tapatco Brand Red Edge. Old Gold Drill. Composite Stuffing. Four Hooks. Four Rows Quilting. **Prices:**
 19 in., .65 each, .75 postpaid.
 20 in., .70 each, .80 postpaid.
 21 in., .70 each, .80 postpaid.
 22 in., .75 each, .85 postpaid.
 23 in., .75 each, .85 postpaid.
 24 in., .80 each, .90 postpaid.
 25 in., .80 each, .90 postpaid.



All Prices Subject to Change Without Notice

Bull Snaps

No. 500.....\$1.25; Postpaid, \$1.35

Animal Nose Feed Bags

No. 24. Heavy duck, wood bottom and head ropes..... \$.80

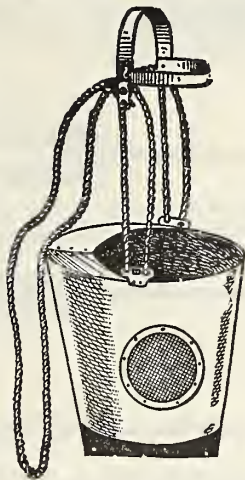
No. 24½. Same as No. 24 with pulley attachment.....1.10

No. 36½. 12 oz. duck, wood bottom, leather vent and pulley attachment..... 1.20

No. 18½. 15 oz. duck, leather bottom, sewed, leather vent and head ropes.....1.40

No. 08½. 15 oz. duck, leather bottom, leather vent and head ropes..... 1.70

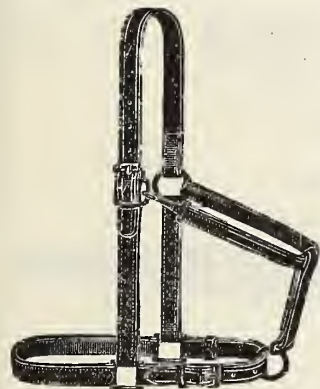
No. 39½. No. 6 duck, 9" leather bottom, leather vent and head ropes.....1.75



Leather Halters

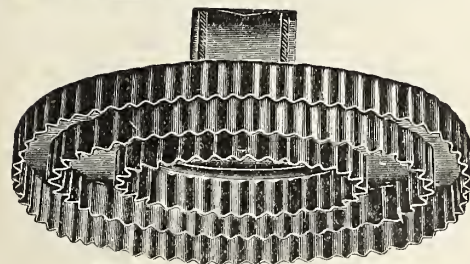
No. 57, Black.....\$2.15

Black Cattle Halter..1.30



Reform Curry Comb

Price, .25
Postpaid.30



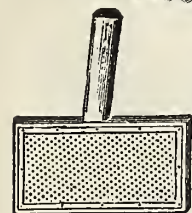
Cattle Cards

No. 04. Leather Board.....25

No. 4. All Leather.....30

No. 2. Leather, large size.....35

Postage, .05 each.



Cow Bells

No. 1. 6½ in.....80; postpaid, 90

No. 2. 5¼ in.....65; postpaid, 75

No. 3. 4¼ in.....50; postpaid, 60

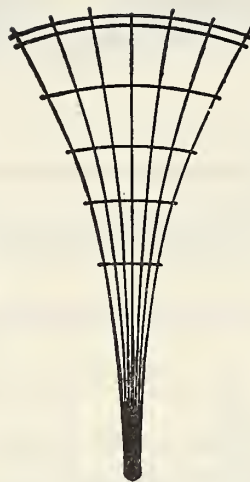
No. 4. 4 in.....45; postpaid, 55

No. 5. 3¼ in.....40; postpaid, 50

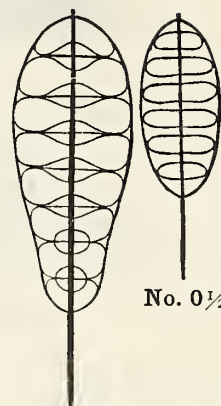
No. 6. 3 in.....35; postpaid, 45



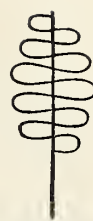
Trellises



Fan



Bow



No. 00

No. 0½

Fan Trellis

	Price
1½ ft. Fan, 7 in. wide.....	\$0.35
2 ft. Fan, 10 in. wide.....	.45
2½ ft. Fan, 13 in. wide.....	.70
3 ft. Fan, 16 in. wide.....	1.20
4 ft. Fan, 27 in. wide.....	1.75
6 ft. Fan, 38 in. wide.....	2.50
8 ft. Fan, 46 in. wide.....	3.35

Trellises

No. 00, 18 in. 3½ wide.....	\$0.25
No. 00, 20 in. 8 wide.....	.30
No. 0½, 24 in. 7½ wide.....	.50
No. 1, Bow 30 in. 10 in. wide.....	.75
No. 3, Bow 36 in. 12 in. wide.....	1.20

Veranda Trellis

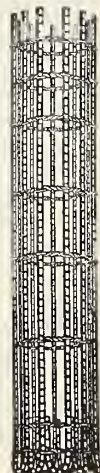
6 ft. Veranda, 18 in. wide.....	\$2.35
8 ft. Veranda, 18 in. wide.....	3.20
10 ft. Veranda, 20 in. wide.....	4.00



Veranda

Tree Guard

Made from heavy galvanized wire and very ornamental, affording absolute protection to trees. Two or more may be used together for trees of large diameter.



Unglazed Flower Pots

With or without saucers.

Sizes 2 in. to 12 in.
Prices on application.



GIFFORD-WOOD CO. ICE TOOLS



No. 426.	4½ ft. Saw as above.....	Price	\$7.50
No. 427.	5 ft. Saw as above.....	Price	8.00



No. 443.	Splitting Fork, Ring Handle. Weight 18 lbs.....	Price	8.50
No. 457½.	Calking Bar, Wood Handle. 1 in. in diameter. (Not illustrated.) Weight 8 lbs.....	Price	5.00



No. 458.	Bar or Packing Chisel. Steel Handle. Weight 15½ lbs.....	Price	7.50
No. 460.	Summer Bar. Curved Blade. Polished Handle. Similar to 458. Weight 17 lbs.....	Price	10.00



No. 465.	Starting Chisel. Weight 14½ lbs.....	Price	6.50
No. 468.	Socket Bar Chisel. (Not illustrated.) Weight 10 lbs.....	Price	9.00
	Similar to 458, but with wooden handle.		



No. 476.	Splitting Chisel, Ring Handle. Weight 14 lbs.....	Price	5.00
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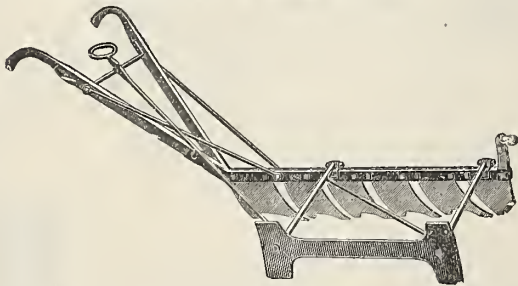


No. 486.	Needle Bar. Ring Handle. 3 Tine, Weight 16½ lbs.....	Price	8.50
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No 500.	Line Marker. Weight 2 lbs.....	Price	2.25
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Dairymen's Ice King Plows



No. 320—8 in., 5 Cutting and 1 Clearing Tooth with
14 to 22 in. Patent Adjustable Swing Guide.

Price.....\$50.00

No. 321—10 in., 5 Cutting and 1 Clearing Tooth with
14 to 22 in. Patent Adjustable Swing Guide.

Price.....\$55.00



No. 540 Boston Ice Tongs

13 in.	Price.....	\$2.35
14½ in.	Price.....	2.45
16½ in.	Price.....	2.55
20 in.	Price.....	2.70
24 in.	Price.....	2.80
26 in.	Price.....	2.90

Ice Hooks

No. 520.	Wood's 3 ft. to 18 ft.....	\$1.75 to \$5.50
No. 1300.	Columbus, 3 ft. to 18 ft.....	1.85 to 4.50

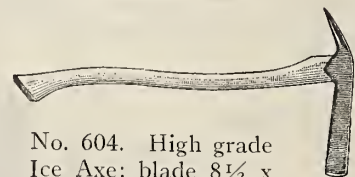
Ice Axes

No. 604	Boston Ice Axes.....	Price \$4.15
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Ice Hook Handles

3 ft. to 14 ft.....	40 to \$3.15
No. 652. D Handle 4 Point Shaver.....	Price 3.25
No. 667. D Handle 3 Tine Breaker.....	Price 8.00

Boston Ice Axe



No. 604. High grade
Ice Axe; blade 8½ x
1¾ inches; handle 28
in.; weight 4 lbs.
Price, \$4.15

All Prices Subject to Market Changes

SIMONDS MFG. CO. GUARANTEED SAWS



- No. 325. Crescent Ground Cross Cut. Narrow Felling Saw. Lance Tooth.
No. 22. Wide Cross Cut Saw, otherwise same as No. 325.



- No. 315. Crescent Ground Cross Cut. Narrow Felling Saw. Champion Tooth.
No. 12. Wide Cross Cut Saw, otherwise same as No. 315.

One Man Cross-Cut Saws



- No. 222. Lance Tooth. $3\frac{1}{2}$ —4— $4\frac{1}{2}$ feet.



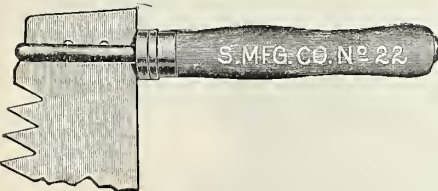
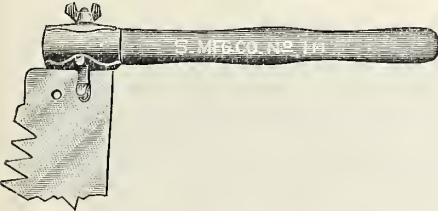
- No. 231. Tuttle Tooth: $3\frac{1}{2}$ —4— $4\frac{1}{2}$ feet.

Simonds

Wood Saw Frames
Wood Saw Rods
Wood Saws Complete
Pruning Saws
Hack Saws

While we recommend the use of Simonds Warranted Circular Saws in every instance, we can furnish a lower priced Circular Saw, which with proper use will give good satisfaction. Prices quoted on application.

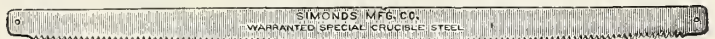
Cross Cut Saw Handles



SIMONDS

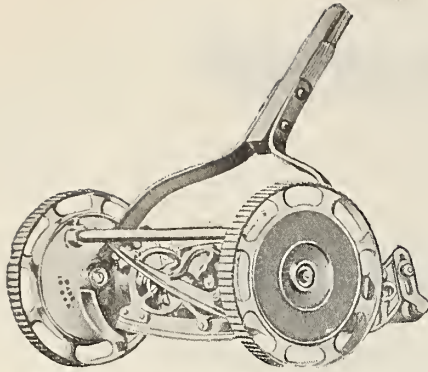
Warranted Circular Saws

24 in., 26 in., 28 in., 30 in.
Bored for $1\frac{3}{8}$ in. arbor.
Wood Saw Blades 32 in.
Long, Narrow and Wide,
Fine and Coarse Teeth.



All Prices Subject to Market Changes

LAWN MOWERS

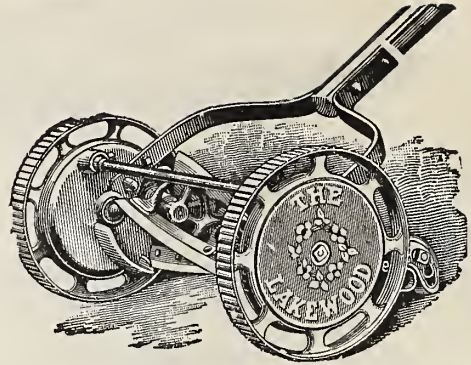


The
Superb

Superb is a strictly high-grade ball-bearing Lawn Mower. It is made of first-class material throughout and the workmanship and finish are unsurpassed. It has large driving wheels and fine cut gears, thus ensuring ease and quietness of running.

This Mower is furnished with patent double-edged bottom knife which is shaped like a piece of channel iron with two up-turned highly tempered edges.

Prices: 20 in., \$30.00; 22 in., \$32.25



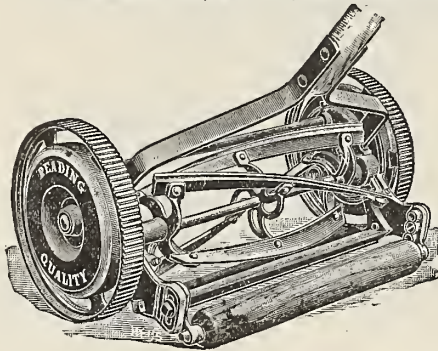
The
Lakewood

This Mower we guarantee to be the best ball-bearing Lawn Mower, for the price, on the market. It has high wheels (9 inches), flat, steel sliding pawls in the ratchets, and large diameter revolving cutter (6 inches), furnished with four blades.

This Lawn Mower is equipped with our patent adjustable ball bearings, the adjustment of which is accomplished by means of a single screw.

Prices: 16 in., \$13.00; 18 in., \$13.75

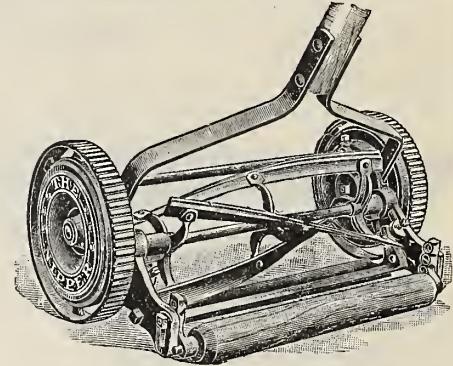
The
Quality



This is a good Mower at a medium price for all ordinary work. The drive wheels are nine inches in diameter. The revolving cutter is 6 inches in diameter and has 3 crucible steel blades highly tempered and ground true their entire length. It is carried on our patented adjustable ball-bearings.

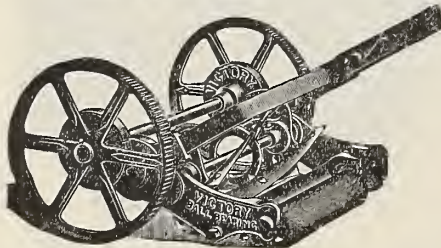
Prices: 14 in., \$10.25; 16 in., \$10.75; 18 in., \$11.00

The
Nipper



This is a good Lawn Mower at a medium low price and gives the purchaser full value for his money. It has brass bushings and the same ratchets and adjustments that are used on many of the high grade Mowers, and it is in every respect what is needed at the present time, viz., a Mower that will do good service and at a cost but little higher than the poor trash that is put out so freely.

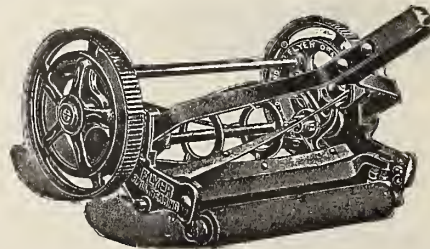
Prices: 14 in., \$6.70; 16 in., \$7.00; 18 in., \$7.50.



Townsend's
Victory

We cannot offer a better Mower at any price. It has ball-bearings of the very highest grade exact to $\frac{1}{4}$ of 1-1000 of an inch, which greatly reduces friction. Double Steel Ratchet, very swift and smooth in action, as well as exceedingly hard for durability. Triple Gear. Entirely enclosed, allowing no dirt or cut grass to find its way into the pinions or cogs.

Prices: 16 in., \$22.25; 18 in., \$23.75; 20 in., \$25.75.

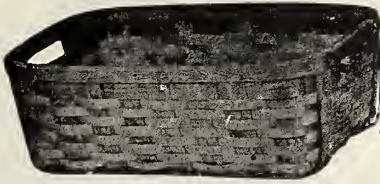


Townsend's
Flyer

A splendid High-Grade Mower, at a little lower price than the "Victory." Ball-bearings entirely enclosed. Adjustments very simple. Knives very hard and of the best steel.

Prices: 14 in., \$13.25; 16 in., \$14.50; 18 in., \$15.75.

BASKETS



Market Basket, Hole Handle

Ash Strapped Market Baskets, Hole Handle

	Length	Width	Depth	Price
No. 1	18 in.	10½ in.	6 in.	\$0.75
No. 2	21 in.	12 in.	6½ in.	.85
No. 3	23 in.	13 in.	7 in.	1.00

[Ash Strapped Market Baskets, Bail Handle

	Length	Width	Depth	Price
No. 1	18 in.	10½ in.	6 in.	\$0.85
No. 2	21 in.	12 in.	6½ in.	.95
No. 3	23 in.	13 in.	7 in.	1.10



Grocers' Counter Basket

Grocers' Counter Baskets

	Length	Width	Depth	Price
No. 1	17 in.	10½ in.	3½ in.	\$0.55
No. 2	20 in.	12 in.	3½ in.	.60
No. 3	22½ in.	14 in.	3½ in.	.70

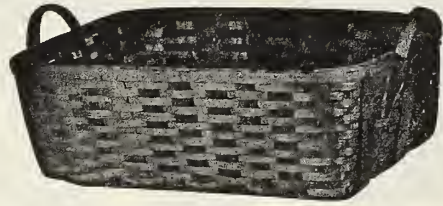


Ash Oblong Laundry Baskets

	Length	Width	Depth	Price
4 Bu.	30 in.	20 in.	17 in.	\$4.25
6 Bu.	32 in.	22 in.	20 in.	6.50

Oxford Clothes Baskets—Oblong, Loop Handles

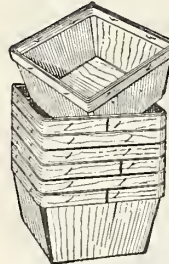
No. 1.	Small.....	each	\$1.60
No. 2.	Medium.....	each	1.80
No. 3.	Large.....	each	2.00



Ash Oblong Clothes Basket

Loop or Hole Handles

	Length	Width	Depth	Price
No. 2	26 in.	16 in.	9 in.	\$1.50
No. 3	28 in.	18 in.	10 in.	1.70
No. 4	30 in.	20 in.	10 in.	1.90
No. 5	32 in.	22 in.	10 in.	2.40

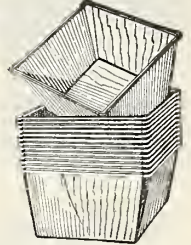


Wood Rim Quarts



Berry Baskets

All Styles and Sizes
Write for prices



Metal Rim Quarts

Oxford Baskets

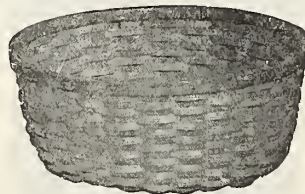
¼ Bushel.....	each	\$0.65
½ Bushel.....	each	.75
¾ Bushel.....	each	.90
1 Bushel.....	each	1.10
1¼ Bushels.....	each	1.30
1½ Bushels.....	each	1.55
2 Bushels.....	each	1.90
3 Bushels.....	each	2.25
4 Bushels.....	each	2.85



Oxford Basket

Ash Lunch Baskets with Cover and Double Bail

	Length	Width	Depth	Price
No. 2	10 in.	6½ in.	6½ in.	\$0.75
No. 3	11½ in.	7 in.	6½ in.	.85
No. 4	14 in.	8½ in.	6½ in.	1.00
No. 5	15½ in.	9 in.	7½ in.	1.15
No. 6	17 in.	10 in.	8 in.	1.30
No. 7	19 in.	11½ in.	8½ in.	1.60
No. 8	22½ in.	13½ in.	9½ in.	1.85



Ash Barrel
Display Basket

Price, \$0.70

Oxford Grocers' Basket

½ Bushel, block handle.....	each	.85
-----------------------------	------	-----

Ash Covered Hampers

No. 2.	17½ in. square, 26 in. deep.	Price.....	\$3.75
No. 3.	21 in. square, 29 in. deep.	Price.....	4.75

All Prices Subject to Change Without Notice.



Galvanized Basket. One Bushel
Price.....\$1.00

No. 1040 Galvanized Chamber Pail
12 Qt. Price \$0.75

RURAL MAIL BOXES

Conform to Post Office Requirements



Heavy gauge galvanized steel, aluminum bronze finish. Red signal flag. Opening door, hinged on bottom. Equipped with coin box inside. Length 18½ inches. Shipping weight 10 lbs. Price \$1.40



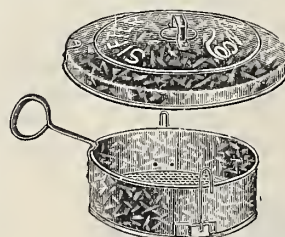
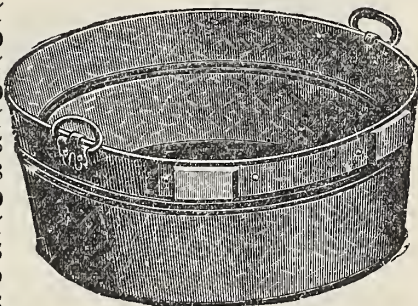
Galvanized Wash Tubs

No. 11 20½x17¾x10½ \$0.90
No. 22 22¾x19½x11 1.00
No. 23 24½x21¼x11 1.15
No. A 14½x11x8 .50
No. B 15½x12¾x8½ .55
No. O 18½x15x9 .65

Dinner Pails
No. 030 Heavy Tin, Tin Handle. About 3 Qt. \$0.70
No. 1040 Heavy Tin, Tin Handle. About 4 Qt. .80
No. 575 Oblong Heavy Tin, Wire Handle. About 4 Qt. \$1.15

Galvanized Garbage Cans With Cover

4 Gallon Handy.....\$1.15
6 Gallon Handy.....1.35
8 Gallon Handy.....1.60
10 Gallon Handy.....1.75
0077 17x22.....2.50



No. 0 Nesco Ash Sifter

An all metal sifter.

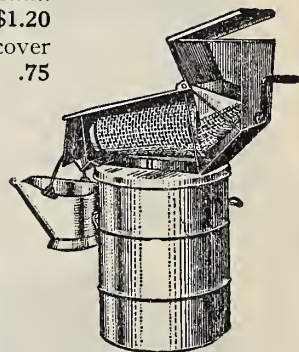
Price
With cover.....\$1.55
Without cover......80

Champion Coal Sieves

Wood Rim with wood cover.....
Price.....\$1.20
Wood Rim without wood cover
Price......75

Revolving Dustless Ash Sifters

Revolving Ash Sifter
Price.....\$3.75
No. 50 18x26 Ash Can.
Price.....\$3.25
No. 516 Galvanized Coal Hod. Price......60
Combination complete as shown.....\$7.60



Galvanized Watering Pots

6 Qt. Price \$1.20
8 Qt. Price 1.30
10 Qt. Price 1.50
12 Qt. Price 1.80
16 Qt. Price 2.40

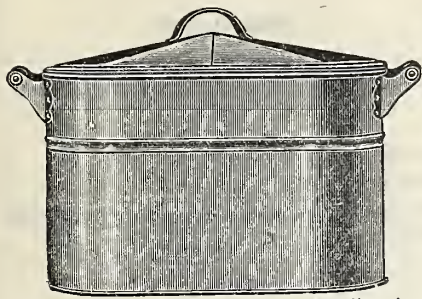


Galvanized Coal Hods

No. 516 Small Price \$0.60
No. 517 Medium Price .65
No. 518 Large Price .70



All Prices Subject to Change Without Notice



Wash Boilers

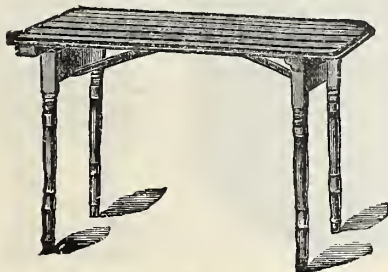
Prices on Application

Galvanized Oil Cans

- 1 Gal. Polo with Handle and Bail.....\$0.45
- 2 Gal. Polo with Handle and Bail..... .60
- 5 Gal. Columbia with Brass Faucet..... 1.40
- 5 Gal. Falcon with Iron Faucet..... 1.30
- 5 Gal. Home Rule Pump Can..... 2.35
- 5 Gal. Climax Pump Can..... 1.90
- 5 Gal. Red Gasoline with spout..... 1.15
- 5 Gal. Jacket Tin Can.... 1.10
- 10 Gal. Jacket Tin Can... 2.00
- 1 Gal. Screw Cap Tin Can..... .25



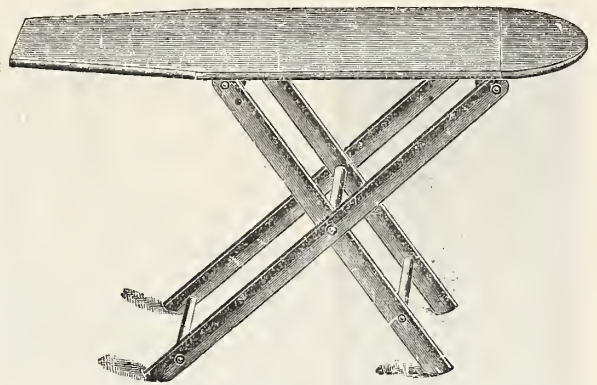
WOODENWARE



Folding Sewing Table

- No. 000 36x19 each \$2.55
- No. 00 36x19, with Castors, each 2.80

All Prices Subject to Market Changes



Folding Ironing Table

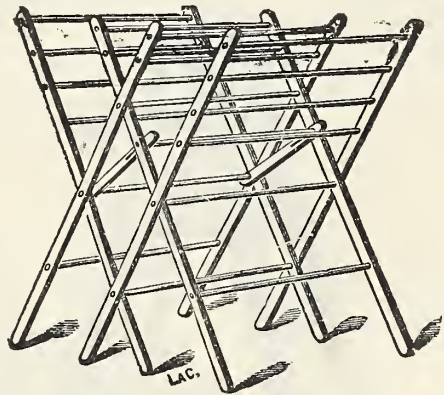
- No. 1 58x19, Cloth Top.....each \$4.15
- No. 2 54x16, Cloth Top.....each 3.90
- No. 3 54x16, Plain Top.....each 3.50

Pastry Boards

- 16x22, each.....\$1.10 18x24, each.....\$1.20
- 20x26, each..... 1.40

Bread Boards, with Rim

- 16x22, each.....\$1.20 18x24, each.....\$1.35
- 20x26, each..... 1.60



Spruce Clothes Horse

- No. 3 Small, 40 feet drying space..... \$2.00
- No. 3½ Medium, 50 feet drying space..... 2.25
- No. 4 Large, 60 feet drying space..... 2.50

LADDERS



Extension Ladders

- 20, 24 and 28 foot Ladders.....48 per foot
- 32, 34 foot Ladders.....53 per foot
- 36, 38 and 40 foot Ladders.....57 per foot

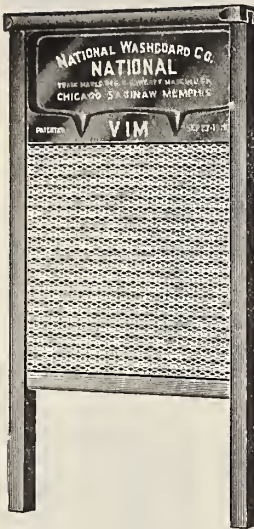
Common Ladders

- 8 to 16 ft..... per ft. \$0.34 18 to 20 ft.....per ft. \$0.39
- 22 ft.....per ft. \$0.42

Apple Ladders

- 6 to 16 ft..... per ft. \$0.34 18 to 20 ft.....per ft. \$0.39
- 22 ft.....per ft. \$0.42

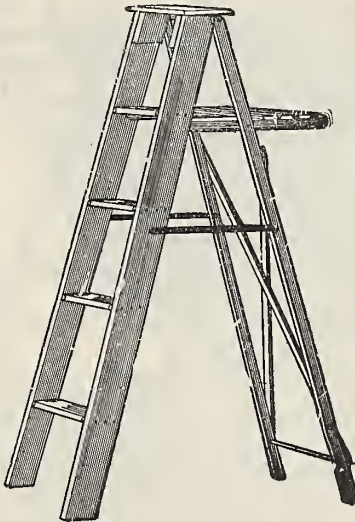
Washboards



No. 100 Northern Queen, perforated, duplex protector.....	\$0.65
No. 725 Naiad, perforated, spiral crimp.....	.60
No. 795 Junior, pail size, 8½x 19, Globe crimp.....	.40
No. 815 Daisy, pail size, 7¼x 16, globe crimp.....	.25
No. 862 White Hen Glass, spiral crimp.....	.70
No. 181 Vim Brass, peerless crimp.....	.70
No. 182 Vim Zinc, peerless crimp.....	.65
No. 180 Vim Glass, spiral crimp.....	.70
No. 852 Roma Special Metal, plain crimp, double surface.....	.35

Step Ladders

Paris, 3 to 10 ft.....	per ft. \$0.75
Gem, 7 and 8 ft.....	per ft. .50



Slaw and Kraut Cutters

No. 622 Slaw 6x18 in., 2 Knife.....	\$0.80
No. 643 Kraut 9x29 in., 3 Knife.....	2.50
No. 645 Kraut 11x33 in., 3 Knife.....	3.25

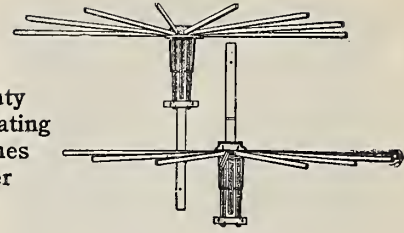
Axle Grease

Fraser's Small Tin Boxes.....	\$0.30
Fraser's 3½ lb. Tin Pails.....	.65
Snow Flake.....	1 qt., .45; 2 qt., .75; 1 gal., \$1.30

Wall Dryers



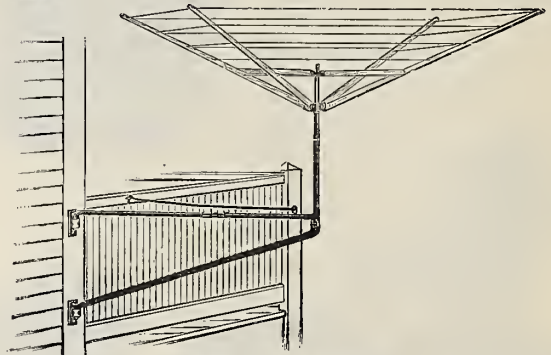
Beauty
Elevating
Clothes
Dryer



Smith's Wall Dryer.....	\$1.15
Beauty Wall Dryer.....	1.35
Burnell Adjustable Dryer.....	1.35



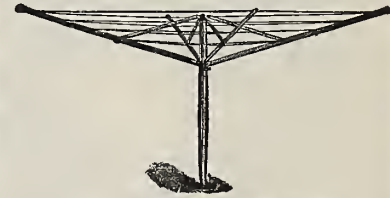
Smith's Wall Dryer



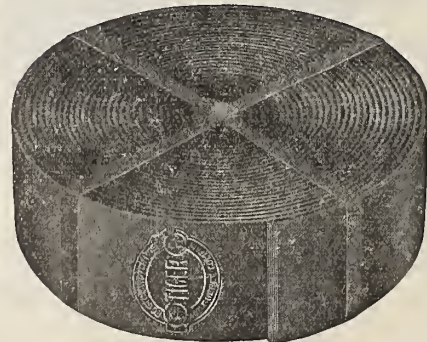
Balcony Dryer

Outdoor Clothes Dryers

No. 1 110 ft. 4 Line.....	\$7.25
No. 2 150 ft. 5 Line.....	8.00
Balcony.....	14.00



Outdoor Clothes Dryer



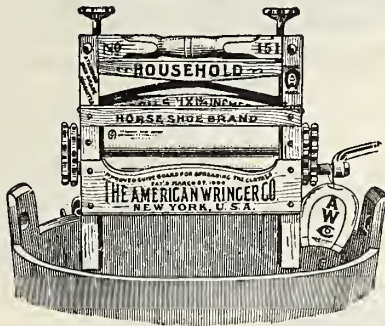
Rubber Belting
Prices Right

Cut Lacings
Different Sizes

All Prices Subject to Market Changes

Wringers

American Wringer Company's Celebrated Horseshoe Brand



Tub Wringers

Iron Frame—Plain Bearing

No. 100 Daisy, 10 in., 1 year warrant.....	\$3.45
No. 330 Relief, 10 in., 3 year warrant.....	5.00

Wood Frame, Plain Bearing

No. 100 Rival, 10 in., 1 year warrant.....	\$5.15
No. 340 E Universal, Reversible Board, 10 in., 3 year warrant. Enclosed Gears.....	6.75

Wood Frame, Ball Bearing

No. 380 E Universal, 10 in., 3 year warrant. Enclosed Gears.....	\$6.25
No. 381 E Universal, 11 in., 3 year warrant.....	6.50
No. 361 E Universal, 11 in., 3 year warrant. Reversible Board.....	7.50

Bench Wringers

No. B380 E Universal, 10 in., 3 year warrant. Ball Bearing. Enclosed Gears.....	10.00
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Wringer Rolls and Repairs

White Mop Wringers

Hotel Size No. 1

Steel sides and front, wood back and bottom. For 16 to 24 oz. mops. Packed 1 doz. to crate. Wt. 140 lbs.

FAMILY SIZE No. 2

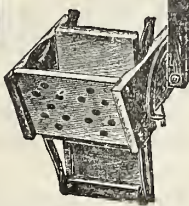
Maple sides and front, birch back and bottom. For rag or Cloth mops. Packed ½ doz. to crate. Wt. 42½ lbs.

FAMILY SIZE No. 14 "Can't Splash"

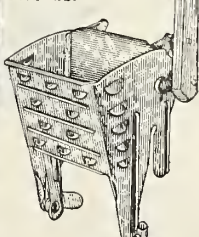
Two piece all galvanized 14 gauge steel. For 8 to 16 oz. Mops. Packed ½ doz. to the crate. Weight 57¼ lbs.



Price, \$3.50



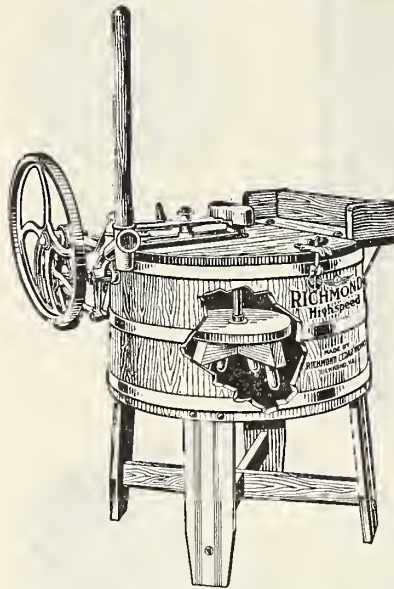
Price, \$2.25



Price, \$3.50

All Prices Subject to Change Without Notice

Richmond Highspeed Washing Machine



Richmond High Speed Washing Machine is fitted with well balanced fly wheel running on ten roller bearings and geared direct with cut tooth gears (all covered), which produces a mechanism with no dead center. Virginia white cedar tub, large flat steel hoops. **Shipping Weight, 115 lbs.**

Price: \$18.25.

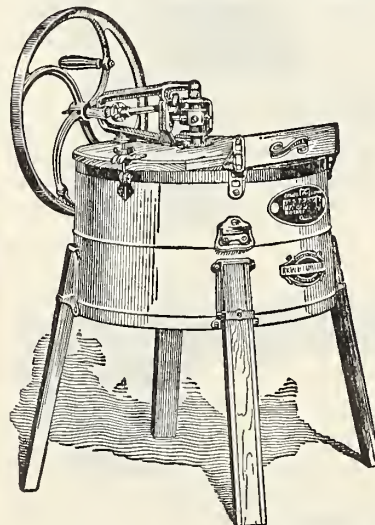
Lightning Washing Machine, a good first-class machine made of Virginia white cedar, finished in light gray paint.

Price, \$10.75

R. C. W. Water Motor Washing Machine is equipped with durable water motor

Price, \$22.00

THE MAJESTIC Rotary Washing Machine



Roller bearings. Virginia White Cedar Tub. Electric-welded Wire Hoops.

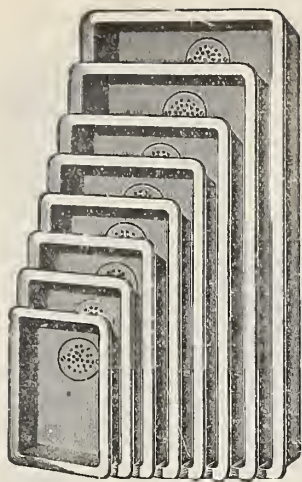
The best, most durable and lightest running Rotary Washing Machine made.

The Majestic will wash overalls, blankets and heavy garments, or lace curtains and other delicate fabrics, perfectly and without injury.

Shipping Weight, Crated, 70 lbs. Price, \$13.50.

Round Oak Butter Boxes With Bail

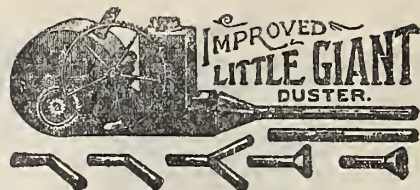
4 Quart.....	each \$0.75
8 Quart.....	each 1.00



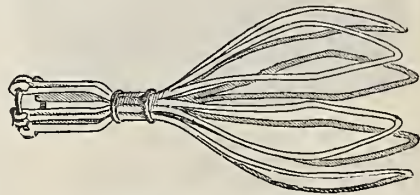
Sinks

We carry the principal sizes of cast iron sinks, fitted for lead pipe.

2½ feet x 18 inches
 3 feet x 20½ inches
 3½ feet x 22 inches
 4 feet x 24 inches
 4½ feet x 24 inches
 Prices on application.



Machine weighs 6 lbs. Furnished with three tubes, 5 nozzles and strap. Distributes any dry powder. Dusts one or two rows. Reservoir holds nearly a quart of powder. Price.....\$12.00



Wire Fruit Picker
 To attach to pole.



A Wrench and Thread Cutter. Frosted Nickel. Non-Rusting.

This tool has more uses than any wrench on the market. A necessity on the farm, in every shop and household.

Price, \$0.60; by mail, \$0.65

Lightning Hay Knife
 Price, \$1.65

Grass Hooks

Little Giant, folding blade, Price, \$0.60

Corn Hooks

Brooks, Serrated. Price. \$0.50



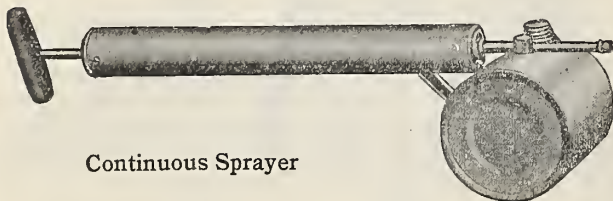
Dust Pans

No. 41 Japannel with steel edge.. .20
 No. 90 Japannel with steel edge.. .25

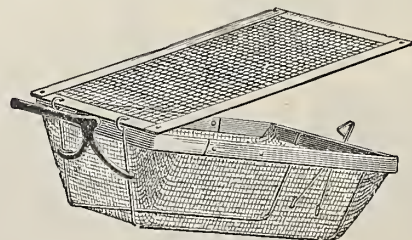


Lowell Hand Oil Sprayer

No. 112	All Tin.....	Price, \$0.45
No. 115	All Tin. Continuous.....	Price, .75
No. 118	All Tin. Junior Size.....	Price, .35



Continuous Sprayer



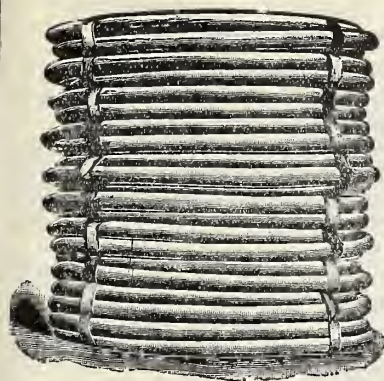
Common Corn Popper

1 Quart.....	\$0.30
2 Quart Extra Heavy.....	.40
4 Quart Extra Heavy.....	.70

FOR THE LAWN Try Our Purity Lawn Seed

Mixed for us from one of the best formulas known and containing no weed seeds.

All Prices Subject to Market Changes



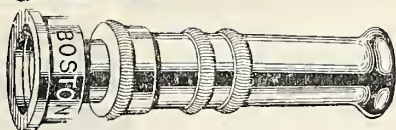
HISCO

Rubber Garden Hose

Moulded Type
Corrugated
5/8 in. Price foot,
.....\$0.17

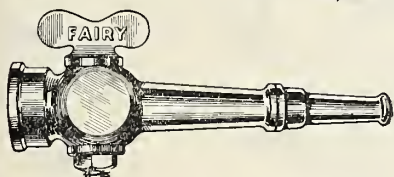
Hero Cord
5/8 in. Price foot,
......15

Boston Spray Nozzle



This is unquestionably the best combination spray nozzle on the market today. It is made of but three parts, all of which are made to gauges on automatic machines, thus insuring perfect uniformity and adjustment.

Price, \$0.75; Postpaid, \$0.85



Fairy Nozzle

This is our original Fairy Nozzle. It is made with screw tip and shut-off cock; it is of good brass and finely finished. This Nozzle gives a smooth, free water way for the solid stream, and throws a large amount of water when spraying, thus saving time and causing less strain on the hose.

Price, \$1.20; Postpaid, \$1.30

Dayton Sprinkler Type "C"

Guaranteed to cover larger area than any other sprinkler made with arms, because of main stream flow from two center nozzles.

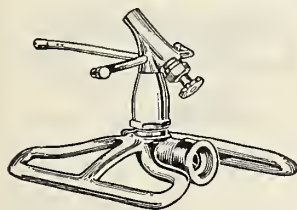
This flow can be regulated to throw 4 to 6 gallons of water per minute by simply taking off nozzle caps.

Will operate on only 1/2 pound of water pressure.

Made with best brass and non-wear Babbit bearing along same high grade lines as our other sprinklers.

Price \$2.25; Postpaid, \$2.40

The Dayton Type "B" Sprinkler



Operates on pressure as low as one pound.

Nozzle easily adjusted from wide-sweeping spray to heavy stream. Will sprinkle circle 3 to 56 feet in diameter. Price, \$3.75; Postpaid, \$3.90.



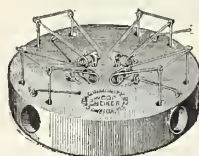
The Fountain Lawn Sprinkler

The sprinkler with the "mist-like" spray.

Price, \$1.00; Postpaid, \$1.10.

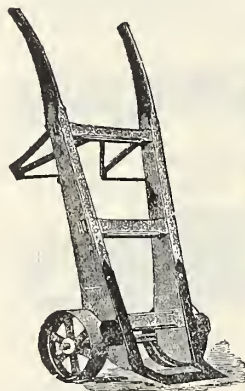
Mouse and Rat Traps

	Price
Victor Mouse.....	\$0.05
Hold 'Em Mouse, Wire Cage...	.50
Four Hole Wood, Choker.....	.15
Five Hole Tin.....	.10
Victor Rat.....	.10
Erie Rat.....	.35
Hold 'Em Rat, Wire Cage.....	.80



Erie Rat Trap

TRUCKS



Half Strapped Steel Nose Trucks



Dandy Bag Truck



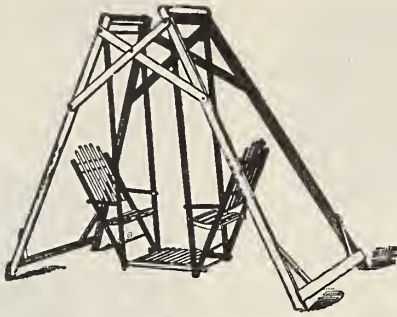
Eureka Barrel Truck

Steel Nose Trucks Boston Pattern

Built for heavy service

1 B Small, half strapped.....	\$8.00
2 B Medium, half strapped.....	9.75
3 B Large, half strapped.....	12.00
Eureka Barrel Truck.....	3.75
Dandy Bag Truck, no legs.....	4.75

All Prices Subject to Market Changes



Lawn Swings

- No. 6 Favorite, two passengers, each.....\$12.00
 No. 5 Fairfield, four passengers, each..... 13.50

Picks, Mattocks, Etc.



Wood Choppers' Mauls
 6 to 9 lbs.

Price, per lb.....\$0.20



Wood Choppers' Wedges
 3½ to 6 lbs.

Price, per lb.....\$0.12



Short Cutter Mattock
 Price, \$1.10



Pick Mattock
 Price, \$1.15

Contractors' Pick
 Price, \$1.35

Railroad Pick
 Price, \$1.00

Saw Wedges
 Price, per lb.....17 to .43

Axe Wedges
 Price.....05 .10, .25



Long Cutter Mattock
 Price, \$1.15



Grub Hoe
 Price, \$0.80

Crowbars

12 to 18 lbs.

Price, per lb.....\$0.11

Axes

Hisco and Mountaineer in Maine,
 Half Wedge and Double Bit Patterns.

Can Openers

- King Pattern.....each .15
 Never Slip.....each .10
 No. 17 Sargent.....each .05
 Home.....each .10
 Centaur.....each .15



Victor Game Traps

A reliable trap is as important to the trapper as a good gun is to the hunter. For the loss of one pelt often equals the cost of a whole season's traps.

In the minds of the trappers who have used various brands of traps, the Victor is conceded as holding first honors, for durability and general efficiency, all things being taken into consideration.

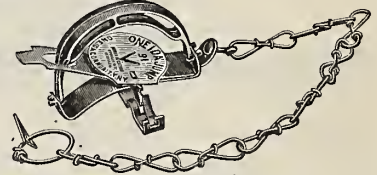
VICTOR

- No. 0
 No. 1
 No. 1½



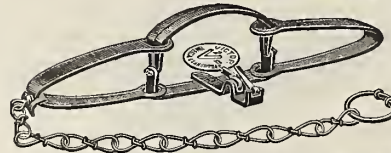
ONEIDA JUMP

No. 91. The ideal trap for skunk.



VICTOR

No. 2. The fox and raccoon trap.



Write for special folder and prices.

Lightning Fruit Jar Opener

Price, \$0.10

98 Turntable

Apple Parer

Price, \$1.30

White Mountain

Apple Parer

Corer and Slicer

Price, \$1.00

Egg Beaters

No. 5 Holt's.....\$0.25

No. B Holt's Hotel Size..... .30

Lyons..... .40



Barrel Headers

A simple contrivance, but indispensable for putting heads in barrels after being filled with apples and other produce.

Price, 1 inch screw, \$2.25.



Imperial Harness Snaps

Full line of Square, Round, Swivel and Open Eye Styles in both tin plate and imitation rubber.



Telephone

Pruner

Head

Made to attach to any pole. Are heavier than the regular tree pruners.

Price, each.....	\$1.15
Postpaid.....	1.30
Extra Knives.....	.15
Extra Springs.....	.15



Rockdale Pruners

No. 45 26 in.	Price, \$1.60
No. 48 41 in.	Price, \$2.00



Pruner Shears. (California Pattern)

Japped.	Price, \$0.95, postpaid
Nickeled.	Price, \$1.65, postpaid

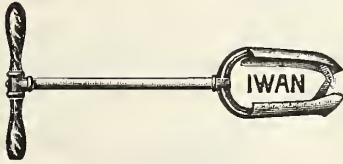


Clyde Draw Cut Pruner

The most powerful pruner made.	24 in.	\$3.40
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Iwan Post Hole Auger

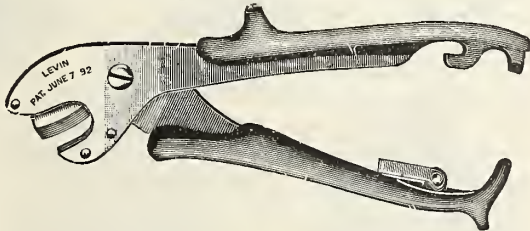
8 inch.....	\$2.25
-------------	--------



Standard Tree Pruners

Very useful for trimming trees, and cutting down moths' nests.

	Price
8 ft.....	\$2.00
10 ft.....	2.20
12 ft.....	2.35
14 ft.....	3.00
16 ft.....	3.00
Knives.....	.20
Springs.....	.10



Levin Pruning Shears

No. 23.....	Postpaid \$0.65
No. 24.....	.75



Secor's Weeding Hook

Price, .20
Postpaid, .25



Hazeltine Hand Weeder

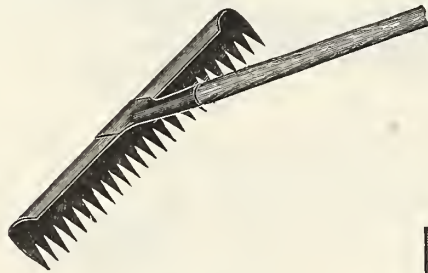
By far the best and most practical Weeder for all kinds of vegetables and flowers ever invented.

Price, .50; postpaid, .60

Foot Warmers

More commonly known as soap stones

Price, 6x8.....	\$0.45
Price, 7x9.....	.50
Price, 8x10.....	.60



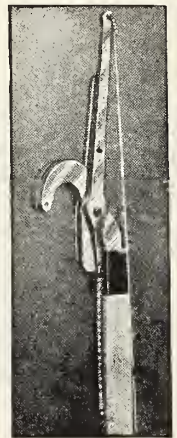
Hudson No. 15 Barn Scraper

Highley's

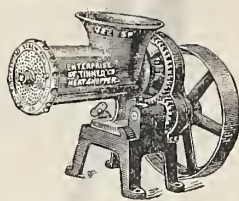
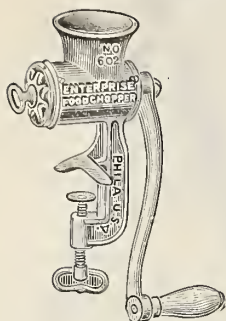
King of Pruners. Both Self-Holding and Non-Holding

Never any danger of receiving shock by crossing electric wires, as they are operated by a cord running the entire length of pole.

12 ft. Self-Holding.....	\$1.60
14 ft. Self-Holding.....	2.00
16 ft. Self-Holding.....	2.00
12 ft. Non-Holding.....	1.15
14 ft. Non-Holding.....	1.25
16 ft. Non-Holding.....	1.40

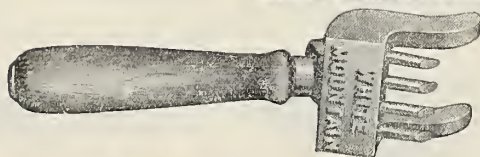


Enterprise Food Choppers



No. 501.	Small.....	\$2.00
No. 602.	Medium.....	2.50
No. 703.	Large.....	3.25
No. 422.	Market.....	14.00

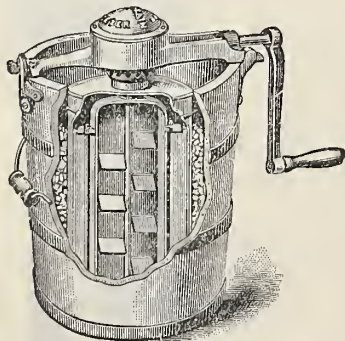
Paris Manufacturing Company's
Carts, Wagons, Wheel-Barrows,
Frame and Clipper Sleds
Baby Sleighs and Sled Boxes



White Mountain Ice Chipper
Price, \$0.65; Postpaid, \$0.75.

White Mountain Freezers

The most popular freezer used in this section. Positive triple action.



1 quart.....	\$3.00
2 quarts.....	3.50
3 quarts.....	4.25
4 quarts.....	5.00
6 quarts.....	6.35
8 quarts.....	8.25
10 quarts.....	11.00
12 quarts.....	13.00
15 quarts.....	15.50
20 quarts.....	20.00
25 quarts.....	25.75

All Prices Subject to Market Changes

Wood Measures

1 qt., .30	2 qts., .40	4 qts., .60
8 qts., .80	1/2 bushel, \$1.65	
Nest of five sizes.....		\$3.50



Norcross Cultivator Hoe

5 Prong.	4-ft. Handle.....	Price \$1.10
3 Prong.	4-ft. Handle.....	Price .75

"Norcross" Midget Weeder



For Flowers, Shrub-
bery and Garden.

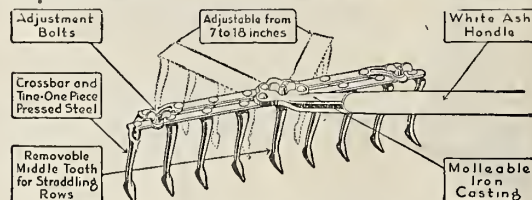
Quality and Finish same as Cultivator-Hoes
Weight 12 oz., 9 in. Handle.....Price, \$0.50
Postpaid, .60



Asparagus Knife

Drop Forged Blade, excellent not only as an aspar-
agus knife, but the "best ever" for digging Dandelions
and other weeds.

Price, \$0.40; Postpaid, .45

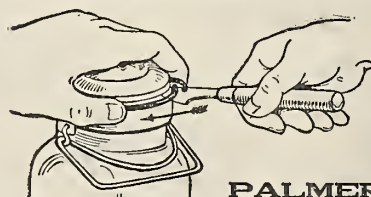


Pull-Easy Adjustable Garden Cultivator

4 1/2-Foot Handle..... \$1.35

If you don't own a Garden Seeder and Garden
Cultivator and are doing any gardening at all, don't
lose any time in calling on us and see what we have to
offer you in the way of seeders, cultivators, etc. You
don't have to do a very large amount of gardening to
save the price of one of these tools.

Palmer Openers for Glass Top Fruit Jars



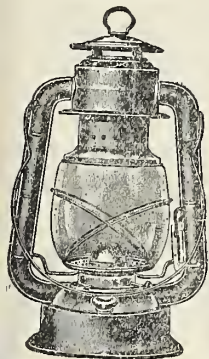
**PALMER
FRUIT JAR OPENER**

Don't Break Your
Jars
Prevent Wounded
Hands
Don't Break Your
Knife
Don't Damage
Your Rubber
Price, 15 postpaid

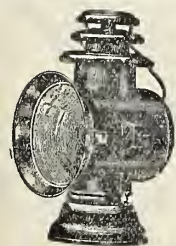
DEITZ LANTERNS AND GLOBES



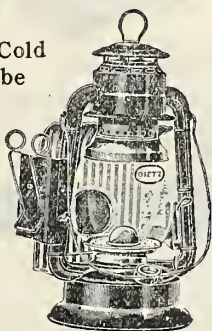
No. 2 Blizzard
Cold Blast



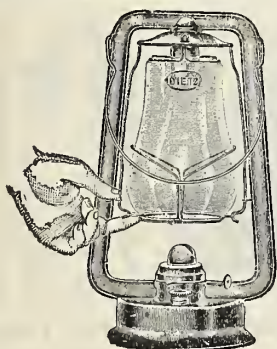
Wizard Lantern Cold
Blast. Short Globe



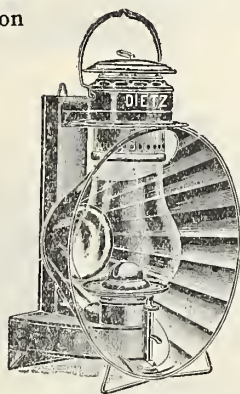
Octo
Driving Lamp



Roadster Wagon
Lantern



No. 0 Monarch Hot Blast



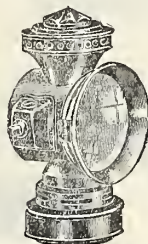
Mammoth Search Light
Cold Blast

No. 2 Blizzard.....	\$1.40
No. 2 Special Blizzard with large fount.....	1.55
No. 0 Wizard Cold Blast. Short Globe.....	1.00
No. 2 D-Lite Cold Blast. Short Globe.....	1.40
No. 2 D-Lite Cold Blast. Short Globe and Large Fount.....	1.55
No. 15 Emperor Dash. Hot Blast Bulls Eye Globe.....	1.50
No. 17 Sterling Dash. Cold Blast. Bulls Eye Globe.....	1.50
No. 30 Cold Blast. Search with Bulls Eye Globe.....	3.25
No. 60 Cold Blast. Mammoth Search. Plain Globe.....	9.50
Roadster Cold Blast. Side Lamp	1.80

Pioneer Street Lamp.....	7.85
Eureka Driving Lamp.....	1.85
Octo Driving Lamp.....	4.00
No. 0 Monarch Hot Blast....	.90
Sport.....	.75



Dash
Clamp
Holder



Eureka
Driving
Lamp

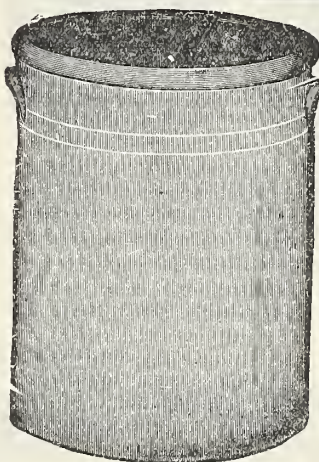
Stoneware

Jars Complete With Covers

1 Gallon.....	\$0.65
1½ Gallon.....	.75
2 Gallon.....	.95
3 Gallon.....	1.40
4 Gallon.....	1.70
5 Gallon.....	2.15
6 Gallon.....	2.45



Stone, Meat or
Pork Tubs
Without Covers



Stone Jugs

½ Gallon.....	\$0.30
1 Gallon.....	.40
2 Gallon.....	.65
3 Gallon.....	.95
4 Gallon.....	1.25
5 Gallon.....	1.50



Bean Pots

1 Quart.....	\$0.30
2 Quart.....	.35
3 Quart.....	.40
4 Quart.....	.45
6 Quart.....	.55
8 Quart.....	.70

Richland Tires uniformly yield full mileage because they are uniformly perfect in build. The Duplex Method, a Richland process of vulcanizing, prevents defects such as mold pinches and buckles,—invisible flaws which are a menace to tire service.

You get all the mileage of which quality materials are capable at their best, and you get it without appreciable variation.

Richland Tires wear out—eventually. But they don't give out.

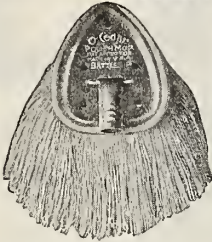
All Prices Subject to Change Without Notice

O-Cedar Polish Mops
A Better and Easier Way to Clean



**Triangular
Polish
Mop**

**Battleship
Polish
Mop**



Cleans and polishes at the same time, putting a high, lasting lustre on all varnished surfaces. There is nothing to equal O-Cedar Polish Mop for polishing floors, linoleum, etc. Gets down into the corners, gets the dust under beds, heavy furniture, radiators, etc. The mop is padded and cannot scratch or mar the furniture.

The only polish mop that can be successfully washed and cleaned and renewed. **Prices:**

No. 3 Large Triangle O-Cedar Polish Mop.....	\$1.75
No. 4 Small Triangle O-Cedar Polish Mop.....	1.25
No. 10 Battleship O-Cedar Polish Mop.....	1.75
No. 11 Battleship O-Cedar Dry Mop.....	1.75

O-Cedar Polish

A Wonderful Varnish Food



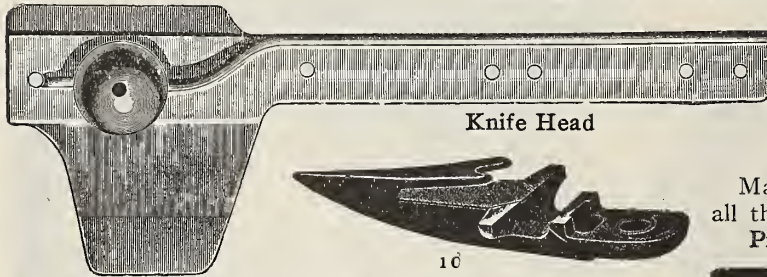
For cleaning and polishing floors, furniture, automobiles, etc. O-Cedar is by far the most economical furniture polish, as it is used with water. Puts on a high, hard, lasting lustre, and does not leave a bluish cast and gummy surface. It contains no grease, mineral by-products or benzines.

Every ingredient of O-Cedar Polish is a pure vegetable substance. Positively will not ignite. It is easy to use. Very little rubbing is required.

O-Cedar Polish is well and favorably known and is widely advertised in connection with the O-Cedar Polish Mop.

Price: 4 oz. Bot.....	\$0.30	Price: 1 qt. Cans.....	\$1.25
Price: 12 oz. Bot.....	.60	Price: 1 gal. Cans.....	\$3.00

REPAIRS AND PARTS



Knife Head

10

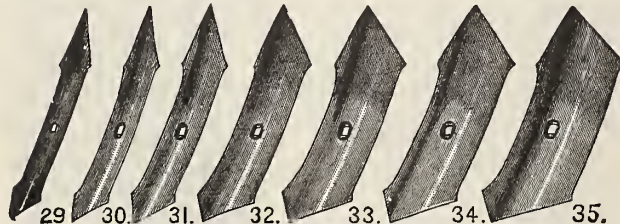
Guard Bolts and Guard Plates for all Guards, Knife Heads, Section, Rivets, etc., all guaranteed to fit the machine for which they are intended.



Steel Harrow Tooth: Square 1/2 and 5/8 inch.



Drive Punch: 1/4x6.....15, postpaid, .20



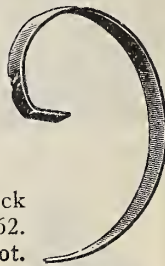
Cultivator Steels

Notice—In ordering repairs always give name of machine and number of old part. When the number or letter cannot be found, it is always best to send, by parcel post or express prepaid, the old or broken part, thus avoiding mistakes or delays.



Link Belt Chain

Malleable and steel. Sizes in stock all the way from No. 25 to No. 62. Prices from .23 to .42 per foot.



**Spring
Harrow
Tooth**

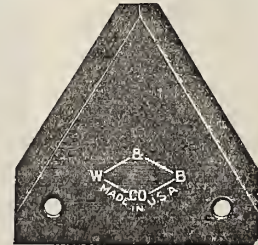
Cold Chisel: Prices 1/2x615, postpaid .20
 Cold Chisel: Prices 5/8x6 1/2.....20, postpaid .25



Mower Knife



Guard Plate



Section



Tedder Fork

HISCO OILS

HISCO Medium Auto Oil This is a motor oil of medium body universally adapted for general automobile use, will give good compression and wearing qualities, and is free from carbon.

HISCO Heavy Auto Oil This oil is of heavy body, superior for cars or trucks which have been in use for some time, and will greatly increase the compression and effective work of the engine. This oil is a fine lubricator and economical in use.

HISCO Light Auto Oil This oil is a motor oil, light in body, for new cars and for all motors having tight compression, and will be entirely satisfactory to customers desiring an oil light in body for motor use.

HISCO Ford Special Oil This is the Model T Ford Oil especially adapted for the Ford car, and as indicated by its name will give fine results, good wearing qualities, freedom from carbon, and is for oil what the name "Ford" indicates for a car.

Monarch Truck Oil This is an Underhay Oil adapted for truck use, medium in body, will stand a low cold test, give good compression, and is of great wearing qualities, adapted for the rugged and hard work experienced by a truck.

HISCO Dark Steam Cylinder Oil This is a steam cylinder oil for stationary and portable steam engine use, from the best refined stock, compounded to meet steam conditions, and is in every way guaranteed satisfactory for general steam use.

Excellence Medium Auto Oil This is also an Underhay Special and cannot be too highly recommended by us. It is from Appalachian crude, carefully filtered, with high wearing qualities, low cold test, and once used customer will have no other quality.

HISCO Amber Separator Oil This oil is for cream separator use, and is very light in body to meet the conditions of a separator.

HISCO Red Engine Oil This is a lubricating oil of good body, free from gum or sediment, of proper quality to lubricate general engine or shafting bearings, mowing machines and all other farming tools.

HISCO Tractor Oil This is a tractor oil especially manufactured for general tractor use, and is eminently adapted for the Chase or other tractor engines. This oil has a high flash and fire test necessary for the rugged work of a tractor, and will hold its body well under the extreme heat of operation. It is universally used for tractor lubrication.

HISCO Paraffine Oil This is an amber oil light in body, especially for use in laying dust on floors, very light lubrication, or for any other use where an oil of light body and low price is needed.

Cup Grease This is a superior yellow Cup Grease, medium in consistency, for use in cups on the engine, spring ends, and elsewhere about the automobile and truck, also for any engine room use where a grease is needed in a compression cup.

Monarch Gear Compound This is a product carefully refined and manufactured according to government specification for use in the transmission and differential gears of automobiles and trucks. It is a good lubricator and will not deteriorate in use like a yellow transmission grease. It is very adhesive and will not give the usual trouble in running through the shaft ends. Once tried, always used.

Sealbac]
Asphalt
Shingles

Genasco

Roll
Roofing—
Smooth and
Slate Surface

WHEN WINTER'S ICE-SHARPENED CLAWS TEAR AT YOUR ROOF—

When bitter winds and driving snow sweep down from the North—is your home warm and cozy or is it filled with cold, comfort-destroying drafts?

Genasco Roll Roofing shuts out cold and dampness and keeps in warmth and comfort. It defies the icy blasts and destructive thaws of the North as well as the blazing sun and torrential rains of the tropics.

Genasco Roll Roofing owes its unsurpassed water-proofing, wear and weather-resisting qualities to Trinidad Lake Asphalt—a product seasoned and toughened under tropical heat and storms for ages.

Genasco is a non-conductor of heat and cold, therefore keeps buildings cooler in summer and warmer in winter. It is not affected by acid, alkali or gases; is easily laid, easily repaired when damaged, and lasts a lifetime.

Genasco Roll Roofing, because of its economy, long life and element-resisting qualities, is the ideal roofing for factories, foundries, train sheds, railway shops, warehouses, and all storage places.

It is made in two styles—smooth surface



and slate surface—to meet any roofing requirements.

For farm buildings, Genasco is unquestionably the greatest roofing value ever offered. Its long life, low cost and freedom from repair expenses commend it especially for this class of buildings.

PHOENIX READY ROOFING

Our second best grade equal to any smooth surface roofing on the market.

Manufactured from high grade felt, saturated and coated with asphalt; contains no coal tar.

An efficient and economical roof covering. Made in two weights—medium and heavy.

Phoenix Smooth Surface Roofing is packed with ample supply of large head nails and liquid cement.

Supplies in rolls of one square (108 square ft.) to cover 100 square feet of roof surface.

GENASCO SEALBAC ASPHALT SHINGLES

GENASCO SEALBAC ASPHALT SHINGLES are ideal for all buildings demanding beauty, harmony, and distinction in a roof. They will resist rain, snow, sun and wind and form a lasting weather-proof shelter for your home. When properly laid they will not warp or curl.

Genasco Sealbac Shingles are applied in the same manner as ordinary shingles. Their



Showing the "Sealbac" Feature of Genasco Asphalt Shingles

top surface of natural-colored red or green crushed slate is firmly imbedded in asphalt.

The Sealbac feature originated in Genasco Shingles, is provided by a generous coating of Trinidad Lake Asphalt Cement on the under surface. This not only assists in the closer adhesion of the different shingles, but it protects them against the attacks of condensation underneath.

MARTIN VARNISH CO.

CHICAGO

PIONEERS OF 100% VARNISHES

Martin's 100% Pure Floor Varnish

Composed of the best absolutely pure Oils Varnish Gums and Turpentine—no adulterants or cheapeners of any sort.

Combines extreme durability—toughness—elasticity and absolute resistance to hot or cold water. Is Mar and Grease Proof. Remarkably free and easy working. Covers much more surface than adulterated Varnishes. Dries to walk on over night. Can be rubbed and polished to a fine finish in three days. **The first varnish ever labeled 100% pure.**



Gals.	1/2 Gals.	1/4 Gals.	1/8 Gals.	1/16 Gals.
\$5.50	\$2.95	\$1.60	\$.90	\$.50

THE IDEAL FLOOR VARNISH

Martin's 100% Pure Interior Finish

A fit companion to Martin's 100% Pure Floor Varnish—produces a rich and permanent gloss finish—is not affected by moistures, works very easily and dries hard in 36 hours. It may be rubbed to a beautiful finish after three to four days.

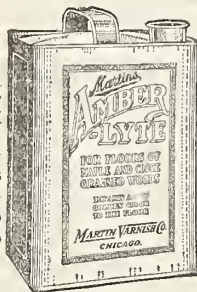
We recommend its use for finishing the finest interior Woodwork.

Gals.	1/2 Gals.	1/4 Gals.	1/8 Gals.	1/16 Gals.
\$5.50	\$2.95	\$1.60	\$.90	\$.50

THE INTERIOR FINISH DE LUXE

Martin's Amber-Lyte

Martin's Amber-Lyte is the only penetrating floor finish on the market today. Unlike a varnish, it not only forms a film over the surface of the wood, but penetrates into it to such an extent that even when the surface of the wood is worn away, the Amber-Lyte finish and protection still remain. Penetrates farther into maple wood than linseed oil will penetrate into pine. Dries over night with rich satin finish.



Martin's Enamels

Made in

White Ivory Gray
(Full Gloss or Egg-Shell Finish)

The perfect Enamel. May be applied to all kinds of woodwork. Also on Metal, Cement, Concrete, Plaster, Brick and Stone surfaces, inside or outside. Produces a beautiful, rich, smooth, washable finish. Martin's Enamel has a wonderful body. Works out very easily under the brush. Compare its covering capacity and body

with that of any other high grade enamel. Also note the ease with which it is worked out and the absence of brush marks in the finished surface. It may be rubbed to a dull finish. Put up in a Handsome Lithographed Can.

Gals.	1/2 Gals.	1/4 Gals.	1/8 Gals.	1/16 Gals.	1/32 Gals.
\$8.50	\$4.35	\$2.40	\$1.30	\$.75	\$.40

Used WHERE QUALITY COUNTS

Martin's Lightning Dryer

A most powerful Dryer. Does not discolor the whitest of paints. Will not curdle or burn. If used to the proportion from 1 to 20, it will dry in 14 hours. Contains no acids. Will mix with lead and zinc.

Gals.	1/2 Gals.	1/4 Gals.	1/8 Gals.	1/16 Gals.
\$3.25	\$1.80	\$1.00	\$.60	\$.40



Martin's 100% Pure Outside Spar Varnish

The third of the Big Four Line of Pure Varnishes. Especially prepared for finishing front doors, store fronts, window sills, porch railings, and other surfaces of wood, which are exposed to the most severe weather—possesses remarkable elasticity, contracting and expanding with cold or heat. Gives splendid results on all water craft where water resisting and proofing qualities are necessary. Is quite pale in color and gives so tough a finish that it **really protects and preserves** the surfaces over which it is used.

Gals.	1/2 Gals.	1/4 Gals.	1/8 Gals.	1/16 Gals.
\$6.50	\$3.45	\$1.85	\$1.00	\$.60

THE SPAR VARNISH WHICH EXCELS

Martin's 100% Pure Velour Finish

This unusual Varnish will give a perfect effect of a rubbed finish, either Flat or Semi-Gloss, and it **saves the expense of rubbing.** Can be successfully applied over either old or new Varnished surfaces. Produces a soft, satiny depth which is very artistic and pleasing to the eye. Works very freely and dries in 18 to 20 hours.

Gals.	1/2 Gals.	1/4 Gals.	1/8 Gals.	1/16 Gals.
\$5.75	\$3.05	\$1.65	\$.90	\$.55

THE SATISFACTORY DULL FINISH

The Penetrating Floor Finish

Practical finish for floors of maple in schools, hospitals, kitchens, as well as in homes.

It is used extensively by Master Painters as a filler in place of shellac.

Gals.	1/2 Gals.	1/4 Gals.	1/8 Gals.	1/16 Gals.
\$4.25	\$2.30	\$1.35	\$.75	\$.55

Martin's Satin Black Leather Finish

This very unusual piece of goods gives perfect satisfaction on leathers, mohair or pantasote. It will not stiffen or crack these materials. It preserves and beautifies tops, side curtains, and seat cushions. It will dry in fifteen to twenty minutes and will not rub off on clothing. **(It is absolutely waterproof.)**

Gals.	1/2 Gals.	1/4 Gals.	1/8 Gals.	1/16 Gals.
\$5.50	\$2.95	\$1.60	\$.90	\$.50



One pint will adequately cover the top of any car. A quart is sufficient for the top, seat cushions, curtains, etc., and it will greatly increase the resale value of your car.

Martin's Enamel Undercoat

A real Undercoat. Has a heavy body. Flows out smooth. Will not cause the Enamel to shrink or lose lustre. The Master Painter's Undercoat for use with the highest grade enamels, where requirements are most exacting.

Gals.	1/2 Gals.	1/4 Gals.	1/8 Gals.	1/16 Gals.
\$5.50	\$2.25	\$1.60	\$.90	\$.50

IT WILL IMPROVE THE FINAL RESULTS

COLONIAL PAINTS—100 Per Cent. Pure

HOUSE PAINT SECTION



Colonial Paints have qualities which distinguish them from other products now on the market. The brief questions and answers given below will tell you why "Colonial" Paints are better and worthy of your use and sale.

What was the material originally used in making paint?

Before paints were prepared and sold ready for use, the principal materials used in making paint were white lead and linseed oil.

Did these materials make an ideal paint?

These materials did not make an ideal paint. They were good as far as they went, but they did not go far enough. It has been found by many severe tests and much careful experimenting that better paint can be produced by combining zinc in right proportions with pure lead and linseed oil.

Why does this make an ideal paint?

The zinc counteracts the tendency of the lead to powder and chalk, greatly increasing the life of the paint. It also makes a whiter paint and when used with lead as a base for the various colored shades of paint it serves to make a combination that takes coloring matter readily.

What are other superior qualities of prepared paint?

The combination of zinc and lead enables the manufacturer to get the largest possible quantity of linseed oil into each gallon. This is very important, as pure linseed oil, more than any other ingredient, gives durability and life to the paint.

What do all good paints contain?

All good prepared paints contain zinc, lead and oil. Zinc is used in the form of oxide of zinc and lead as carbonate of lead.

Is it necessary to use these in combination or will lead and oil do as well?

Years of experimenting have demonstrated that carbonate of lead alone when used with zinc does not give the highest degree of efficiency, but, when

combined in the right proportions, the combination is ideal.

Is it necessary that the right proportions of these be used?

The proportions in which the necessary pigments—oxide of zinc and carbonate of lead are used, are important; when combined in incorrect proportions the paint will be far from satisfactory. It should be borne in mind that the mere fact that a paint contains white lead and zinc does not necessarily mean that the paint is good. The form in which the lead is used, and the correct proportions, are most essential.

Is Colonial Outside White a strictly pure paint?

Colonial Outside White is an absolutely pure paint, containing nothing but pure carbonate of lead, pure oxide of zinc, and pure linseed oil, with the necessary drier.

How are these materials put together??

These materials are intelligently and honestly handled so as to give the maximum paint value in each can and color.

What does our Mechanical and Technical Skill mean?

The Colonial Paints represent the best practical paint knowledge in the field today. It has been on the market for twenty-six years and is sold in practically every important field in the world. It enjoys as wide a sale as almost any other paint on the market. It has achieved its success because it has always given better results than can be obtained from other paints.

Is the consumer's interest best served in purchasing Colonial Prepared Paint?

The man who buys lead and oil and prepares it himself or who has a painter prepare it cannot possibly make a paint equal to the Colonial Paint.

It is a case of hard work against exact formulas and grinding with powerful machinery. It is taking chances on the quality of raw material against the certainty given us by our laboratories.

What other features make us best fitted to serve the public?

If it were not for prejudice no one would ever buy lead and oil when they could get the Colonial Paints with their superior quality. We use the finest grade of paint material and machinery of our own design, built in our own machine shops, and we are able to make a paint that has the greatest durability and therefore the greatest economy. Colonial Paint produces the finest finish and is the best paint made.

How may the proper amount of paint be estimated?

To ascertain the quantity of Colonial Paint required for two coats: Measure the distance around the building; multiply that by the average heights, which will give the square feet of siding; divide that by three hundred (the number of square feet the Colonial Paints cover, two coats to the gallon), which will give you approximately the number of gallons of Colonial Paint to buy for the body; then add one-eighth to one-fifth of this quantity, which will give you the amount for the cornice and other trimmings, waste, etc.

How is Colonial Paint successfully applied?

Colonial Paint is prepared ready for use, and is as heavy in consistency as is ever required. Under some circumstances it must be thinned before use, in accordance with the directions which appear on each package. Where possible employ a good painter

What are other essentials in making a good job?

Stir the paint thoroughly from the bottom and pour it back and forth from six to ten times from one bucket to another, before attempting to use it. Success in painting depends upon the use of good materials properly mixed and stirred to a uniform consistency and carefully applied on a proper surface under favorable conditions.

What are conditions to be avoided in application?

The important thing is to know what to do and how to do it, and when not to do and how to avoid it.

Good results should never be expected when paint is applied under the following conditions: Over a surface which is wet and frosty. Over a surface which is covered with smoke and grease. Over green or pitchy lumber. Over a previous coat of paint which is not thoroughly dry.

Is a good first, or foundation coat of especial importance?

If cracking, peeling or scaling occurs on buildings painted with good prepared paints, it is in majority of cases traceable to the priming coat. The importance of a correct priming coat is not generally appreciated. It is the foundation, and if that is wrong, no paint can wear satisfactorily. Any thing is not good enough for priming; the very best is none too good; therefore use Colonial Paint thinned down with linseed oil and turpentine, to allow the pigment to enter the pores of the wood, giving it life and a solid foundation for successive coats.

COLONIAL PAINTS

WHAT IS BRONZITE?

What is Bronzite?

Bronzite is a specialty green paint. It is not an ordinary ready-mixed green. It is one permanent intensified green.

What makes Bronzite permanent?

There are certain chemical reasons why green—the average green—is a notoriously poor color to hold. It is the disregard of these chemical facts in the making of ordinary greens that causes them to fade and disintegrate.

What is ore base?

It is Kolonite—composed chiefly of iron, silica and carbon, when finely pulverized it has a durability and retaining power never before found for paint making.

What other materials are used in the manufacture of Bronzite?

With the highest quality of chemically-correct green and Kolonite we use strictly pure linseed oil, and by means of a special process remove all impurities detrimental to long life in paint.

What additional factors figure in Bronzite's superiority?

We have the advantage of twenty-five years' experience in developing Bronzite to its present high standard. The quarter century that Bronzite has been on the market is long enough to make or break any product. The fact that Bronzite is the leading green paint, is a big consideration to distributors and dealers who know how vitally manufacturing experience and leadership contribute to the successful selling of a paint specialty. Today Bronzite is better than ever.

Why does Bronzite cover more surface than the average green?

The density of the ore base and the pigment gives a heavy body that literally causes Bronzite to "stretch out"

farther than that of an ordinary paint. This is a fact. Painters who use Bronzite for the first time often remark that a brush full goes farther than any green paint they have ever before used.

Is Bronzite equally good as an outside and inside paint?

Decidedly it is, because of its resistance to weather conditions Bronzite is ideal for exterior uses. As Bronzite is the best outside green it naturally follows that it must be the best inside green, inside conditions being much less severe than outside.

In what size packages is Bronzite put up?

Liquid Bronzite—in 1-gallon, $\frac{1}{2}$ -gallon, $\frac{1}{4}$ -gallon, 1-pint, $\frac{1}{2}$ -pint tin packages, in 5-gallon packages, and in barrels.

How can the painter or other user prove Bronzite claims before he buys?

Any painter or other user interested in a superior permanent green paint can obtain a liberal-sized working sample through one of our dealers. These testing samples have sold many thousands of gallons of Bronzite during the twenty-five years it has been on the market.



What are some of the principal uses inside and out?

Woodwork, floors, furniture, matting, window shades, screens, walls, suggest a few of the many interior home uses of Bronzite.

What about Bronzite as an outside mill and factory paint?

Bronzite is extensively used on the outside of all kinds of mill and factory buildings—wood, brick, concrete, metal siding, wood and enamel, window frames, wire screens, gratings, water tanks, fences, all kinds of roofs, etc. It would be difficult to find a better exterior preservative paint than Bronzite.

What about Bronzite as an inside mill and factory paint?

It is used for dadoes, column bases, trim walls, machinery and wide variety of other interior mill uses.

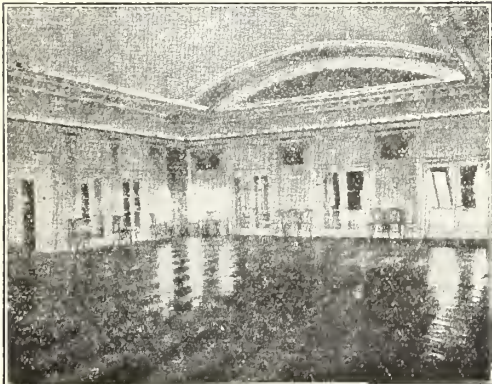
FLOOR AND DECK ENAMEL

FLOOR AND DECK ENAMEL is the result of a scientific investigation as to the best materials, and the proper manner of combining them, in order to produce a desired result, viz: An enamel that will dry quickly, be firm, and successfully withstand to the greatest possible degree the hard usage to which floors and like surfaces are necessarily subjected.

FLOOR AND DECK ENAMEL is manufactured with the express aim of furnishing a durable and handsome coating for all floors. It dries with a beautiful lustre, is elastic, very tough and absolutely free from the stickiness found in ordinary enamel. While it has the qualities necessary for the best floor coating, it may also be applied with satisfaction to any surface exposed to the weather where the shades in which it is made suit the taste, and where a beautiful finish is desired. The combination of materials composing FLOOR AND DECK ENAMEL make it a valuable disinfectant.

Floors will not keep in good condition if neglected or abused. Finish your floors well in the first instance. A stingy economy in such cases is unwise. Then keep them in good shape by a little attention and work.

If properly done at first, the subsequent care of them is much easier and the satisfaction immense.



COLONIAL PAINTS

WAGON, MACHINERY AND IMPLEMENT PAINT



There is nothing around the farm that so soon suffers from lack of care and attention as the wagons, imple-

ments and machinery, and it is false economy to delay the expenditure of a small amount of money.

A little paint, if of good quality, is a cheap means of preserving and prolonging the usefulness of any article.

A good rule to follow is that every wagon, machine and implement should be thoroughly cleaned, repaired and painted at the end of each season, before storing. This means money, for it means doubling the life and usefulness of your utensils.

Wagon and Implement Paint is a specially ground paint made pur-

AUTO VARNISH COLOR

This is the class of men who will want to varnish their own car.

To keep it bright and fresh—to change its coat with reasonable frequency—to varnish it easily, yet "professionally," give it a smooth, snappy, "class" appearance.

AUTO VARNISH COLOR will be used by the thoughtful, investigating man.

You may know that the general method of varnishing is to apply first the color and later varnish; but the application of varnish over the color does not prevent the color from fading in time. You have, most likely, noticed this.

By the method of grinding color and varnish together, we have produced an enamel giving a long-wearing surface and a greater permanence of color.

AUTO VARNISH COLOR has a high degree of hardness, so that it shows no spotting and streaking.

MILL WHITE

suited for Dadoes, Walls, Hangars, Pulleys, Motors, Metal Surfaces, Special Pipes, etc. Special shades can be made up if a sufficient quantity of paint is required. To enable you to satisfactorily try out our materials and convince yourself of the superior quality which we claim for them we will gladly furnish you working samples when requested.

COLONIAL MILL WHITE adds daylight to office or work-room. In winter months, when illumination bills are heavy, it is often possible where **COLONIAL MILL WHITE** is used, to operate under natural light for fifteen to thirty minutes longer each day. This saving is astounding, really cutting

posely for such articles as wagons, implements, and other farm utensils that have to bear rough usage.

It is a heavy bodied, durable coating, made from permanent coloring pigments, ground in hard boiled linseed oil.

It is very easily applied, flows out nicely, and dries out with a brilliant, hard, glossy surface that will withstand hard, severe usage.

It preserves the wood, prevents rusting of the metal parts, keeps out the moisture and avoids the swelling and warping of the framework that soon makes your wagon or implement unfit to do good, rapid work.



When working AUTO VARNISH COLOR, it is necessary to have the room, paint and auto all of one temperature not under 70° and not over 73° Fahrenheit.

When applying, a dust-proof room is imperative for clean work, but the absence of fresh air at least retards, when it does not absolutely prevent drying. Therefore, thoroughly air the room in advance.

AUTO VARNISH COLOR is composed of the best Japan colors and best wearing varnish.

COLONIAL MILL WHITE is tenacious, durable, economical, and best



the light bill by almost one-third, for the average artificial illumination period, under old conditions, is not over an hour. **MILL WHITES** are conceded to be valuable economic factors, for they not only provide a clean, sanitary work-room, but instill in the employee the spirit of better workmanship. A man is materially influenced by his environment. The use of Mill White should be extended to many other uses, such as Cellars, Dark Passageways, Lavatories, and all places where light or cleanliness are essential. They can be washed by hose stream or scrubbed, adding greatly to sanitary condition, thus supplanting kalsomine and cold water paints from both a sanitary and an economical standpoint.

COLONIAL PAINTS

WHAT IS VEL-VE-TA?



A short catchism for all Distributers, Dealers, Master Painters, Building Contractors, Architects, Owners, and all others who are

looking for more light on the sanitary wall finish question.

A ready-reference text for the many questions arising on the subject.

What is Vel-ve-ta?

Vel-ve-ta is a sanitary washable non-absorbent coating for walls and general interior painting—new work and old.

There are dozens of flat wall finishes. Why Vel-ve-ta?

Because of the materials from which Vel-ve-ta is made and the manner in which these materials are combined. Vel-ve-ta's peculiar method of manufacture and the composition of its elements are patented. It is a distinctive product.

What are some of the characteristics of Vel-ve-ta materials and the process of manufacture?

Under the microscope, Vel-ve-ta shows an even, homogenous surface, without spaces between the molecules. The irregular particles of the soluble content are brought together into perfect cohesion with one another through the medium of a binder. This provides an air-tight film of protective covering through which dampness cannot penetrate.

A wall finish may be of a very fair degree of whiteness, but this may not be permanent. Also many times tints are not lasting. Does Vel-ve-ta stay white and do the tints last?

Vel-ve-ta white stays white; its whiteness is inherent; it does not discolor when not exposed to weather. Also the colors and tints are lasting.

Some wall finishes show laps and brush marks. Will Vel-ve-ta do this?

Vel-ve-ta should be flowed on and evened up like a varnish. It will not show laps or brush marks.

Will Vel-ve-ta crack or "alligator?"

Absolutely no. Neither will it peel nor chip.

In what form does Vel-ve-ta come?

Flat and Enamel.

In what tints?

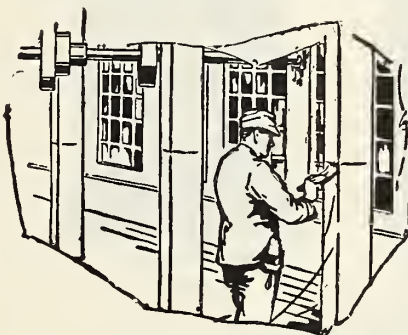
In thirteen tints and white. These tints can be greatly multiplied.

What about cost?

Figure the cost of a wall-finishing job, not by the price of the material, but according to the amount of surface the material will probably cover. Vel-ve-ta's increased covering capacity—due to the superior materials used, fine grinding and perfect amalgamation—gives the lowest possible cost in actual results.

What about its application to different surfaces—new and old?

It is equally good for new and old surfaces—for any surface: painted, kalsomined, sand-finished and plastered walls; painted and unpainted woodwork; painted and new metal surfaces; decorative plaster figures; concrete; inlaid work; interior marine work; burlap, tapestry, shade cloth, etc. Any surface and material not exposed to weather can be improved and decorated with Vel-ve-ta. It can actually be applied over old wall paper.



When can it be used for one-coat work?

For walls, in any tint or color, Vel-ve-ta makes a most beautiful, clear, even finish without stippling, laps or brush marks. In fact, Vel-ve-ta has many uses heretofore undreamed of as being possible with one coat of anything except kalsomine. We especially recommend it for one-coat work.

When should Vel-ve-ta be used for two-coat work?

Metal ceilings with one coat Flat White and one-coat Gloss make a beautiful enamel finish with but two coats. In colored, one coat only need be used.

What about woodwork?

Woodwork of any grain or color can be covered with one-coat colored for a satisfactory job. A very fine job is the result of one-coat Vel-ve-ta Flat and one-coat White Eagle Enamel, making a white job that can actually be rubbed with rotten stone and water.

Some "washable" finishes won't wash. Will Vel-ve-ta?

The homogenous nature of Vel-ve-ta makes a paint film that is water-

proof. Wash it as often as necessary without injury to the surface. A very desirable feature where soft coal is used.

How does Vel-ve-ta compare with the old fashioned lead and turpentine?

There is no comparison from the standpoint of results. Vel-ve-ta is infinitely better. From the standpoint of cost, it costs only half as much, because it covers twice as much surface by actual tests. Its first cost is but little more than that of kalsomine. Over a five-year period, Vel-ve-ta is much cheaper than kalsomine. It can always be renewed over the old coat. It does not require washing off. Also—it can always be cleaned with soap and water; kalsomine cannot be.

Disriminating painters and decorators obtain beautiful results by using Vel-ve-ta white and tints in the finest residential work. Architects, painters, contractors and owners alike are well pleased with Vel-ve-ta for this purpose. They are equally well pleased with it for the "big" office building, "institutional" and other jobs. Its great economy makes it the ideal wall finish for "big" work. Incidentally, for this reason, many dealers and painters are going after "big volume" business with Vel-ve-ta and getting it.

Vel-ve-ta Enamel.

A Handsome Pure White Enamel Finish. Holds its lustre indefinitely and easy to apply. Also in tints and colors.



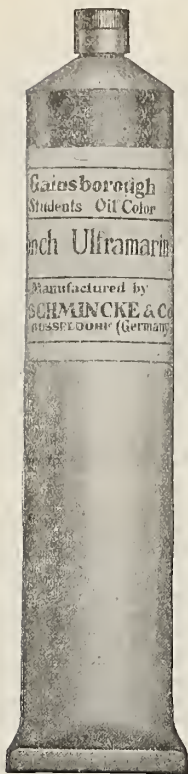
International Elastic Carbon Paint

A practical, scientific blending and grinding of oils and pigments making a paint of enduring elasticity, for shingle, felt, canvas, paper, asphalt, tin and iron roofs, bridges, machinery, tanks, iron or steel buildings, smoke stacks, boilers, burners, brick, tile, concrete, farming tools, wagons, also the hulls and bottoms of vessels and boats.

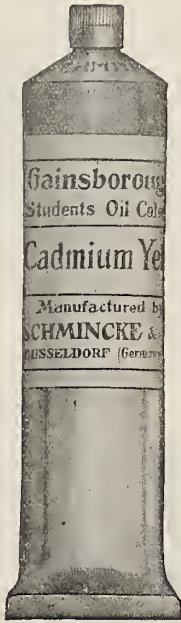
THE GAINSBOROUGH—ART STUDENT'S OIL COLORS

PERMANENCY KEY: A valuable Guide for the Artist

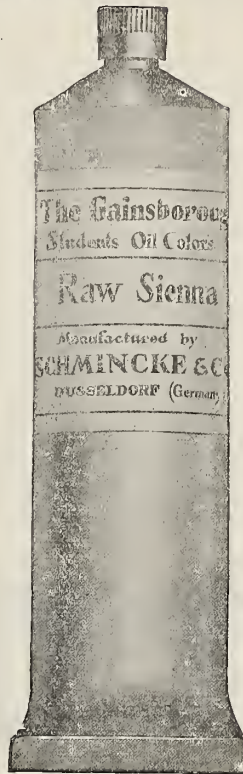
***Absolute Permanency.
**Sufficient Permanency.
*Moderate Permanency.
oNot Sunproof.



Tube Size VII
3/4" x 4"

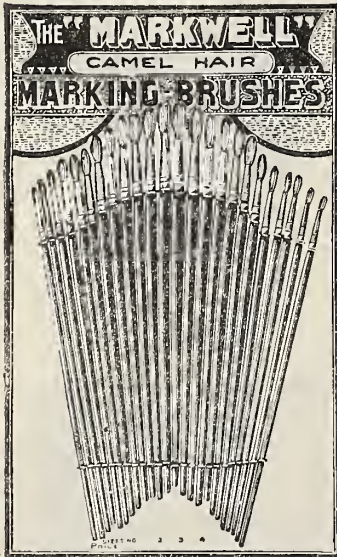


Tube Size VI
3/4" x 3"



Tube Size IX
1" x 4"

These Colors are highly recommended for Sketching, Decorating and Mural Painting, also Commercial Poster Work. Especially adapted for Tinting of Paints.



Markwell Camel Hair

Camel Hair Marking Brushes on tin ferrules, long polished handles.

2 Dozen assorted sizes 1 to 4.

All Prices Subject to Change Without Notice

CAMEL HAIR BRUSHES for the
Paint — Drug — Hardware
Stationery and School
Supply Trades



Perfect

Oval Camel Hair Lacquering or Bronzing Brushes, on tin ferrules, green, polished handles.

1 Dozen size 5/8" wide.

Series A. Tubes Size IX
1" x 4"

Price, \$.20 Each

No.	Permanency	Name of Color
600	**	Asphaltum
620	***	Burnt Ochre, Light
624	**	Burnt Sienna
630	***	Burnt Umber
651	***	Dark Ochre
678	***	English Red, Light
689	***	English Red, Deep
619	***	Gold Ochre
612	***	Ivory Black
616	***	Lamp Black
623	**	Raw Sienna
627	***	Raw Umber
656	***	Terra Pozzuoli
618	***	Yellow Ochre, Light

Series B. Tubes Size VII
3/4" x 4"

Price, \$.20 Each

664	*	Chrome Green, Light
665	*	Chrome Green, Deep
693	*	Chrome Yellow, Light
608	*	Chrome Yellow, Deep
622	**	Emerald Green
687	o	Indian Yellow
631	**	Van Dyke Brown
645	**	Zinc Yellow
672	**	Prussian Blue

Series C. Tubes Size VI
3/4" x 3"

Price, \$.30 Each

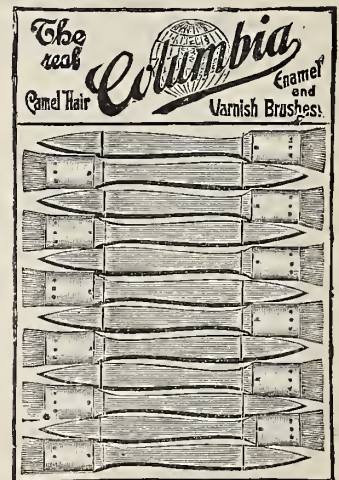
658	***	Cadmium Yellow, Deep
644	**	Madder Lake, Light (Rose)
663	**	Madder Lake, Medium
640	**	Madder Lake, Deep
652	**	Vermilion, Light, Imit.
654	***	Vert Emeraude

WHITES

Tubes Size VII

Price, \$.20 Each

611	**	Chrennitz White
635	***	Zinc White



Columbia

Camel Hair Lacquering or Varnish Brushes, on tin ferrules, flat white handles. 1 Dozen size 1" wide.

BRUSHES for the PAINTER

"The Brush As Important
As The Paint"

No. 0812
Red Sable Water
Color Brush

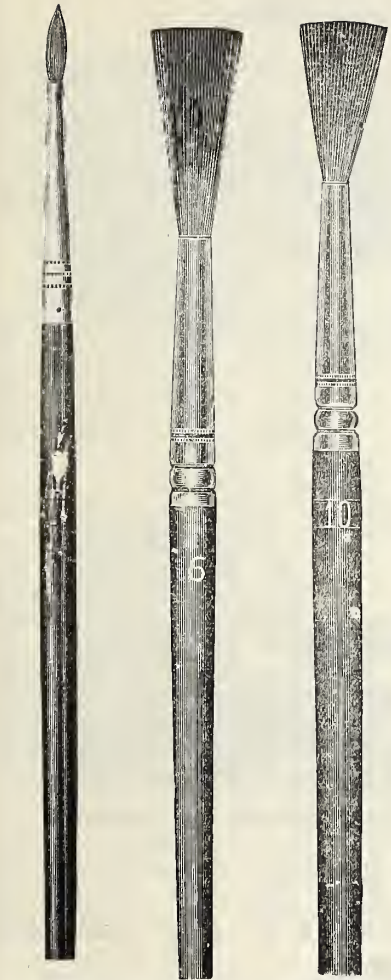
No. 2355X Red
Sable Lettering Brush

No. 9457X Red
Sable Rigger

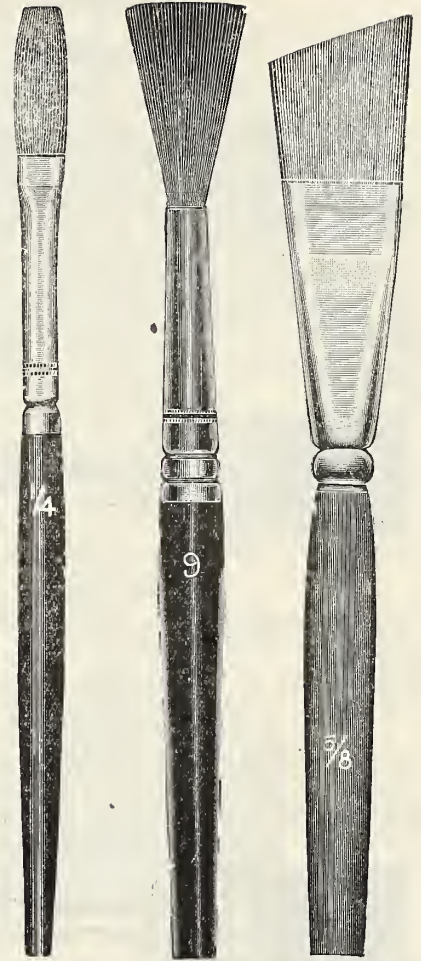
No. 6658 Ox Hair
Stroke Brush

No. 9355X Red
Sable Show Card Brush

No. 6361 Bristle Angular Liner
All Sizes



No. 0812 No. 2355X No. 9457X



No. 6658 No. 9355X No. 6361



Superior

Camel Hair Water Color Artists' Brushes on tin ferrules,
black polished handles.

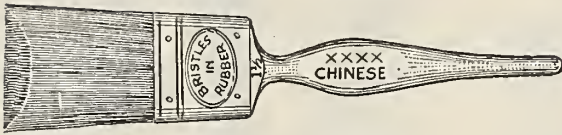
2 Dozen each, sizes 1 to 6 (1 gross) in partition display
box, glass top.

All Prices Subject to Market Changes

PAINT AND VARNISH BRUSHES

Flat Varnish Brushes

Bristles set in hard rubber



XXXX Chinese

Selected Chinese bristles, chiseled edge, long and full, very elastic. Bristles vulcanized in hard rubber.

Width	1	1½	2	2½	3
Length of stock	2	2¾	2⅝	3	3⅝
Price, each	\$.40	\$.60	\$.85	\$ 1.15	\$ 1.50



Bristles set in hard rubber

XXX Chinese

Black Chinese bristles, chiseled edge. For enameling and staining. Bristles set in hard rubber.

Width	1	1½	2	2½	3
Length of stock	1⅞	2⅞	2¾	2½	2¾
Price, each	\$.35	\$.45	\$.65	\$.80	\$ 1.15

XX Chinese

For home varnishing. Bristles set in hard rubber.

Width	1	1½	2	2½
Length of stock	1¾	1⅞	2⅞	2¼
Price, each	\$.25	\$.35	\$.45	\$.55



Regal

Black bristles. A good all around varnish brush. Bristles set in rubber.

Width	1	1½	2	2½	3
Length of stock	1⅞	1⅞	2	2¼	2¾
Price, each	\$.20	\$.30	\$.40	\$.50	\$.60

Holdfast

Black bristles. Stained handle. Bristles set in rubber.

Width	1	1½	2	2½
Price, each	\$.15	\$.20	\$.25	\$.35



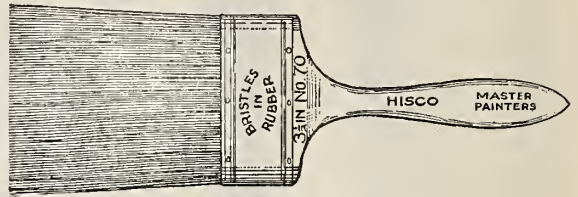
Bristles set in hard rubber.

Auto

Mixed gray bristles. Unfinished handle.

Width	1	1½	2	2½
Price, each	\$.40	\$.60	\$.85	\$ 1.15

Bristle Paint Brushes Set in Rubber



Master Painters' Wall

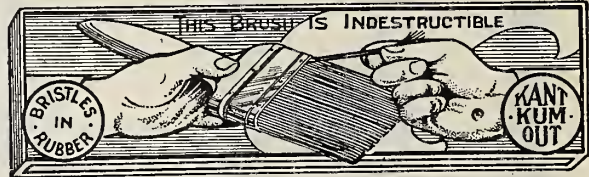
Best quality black bristles, extra long stock. A superior brush for the professional painter. Nickel bound. Bristles set in rubber.

Width	3	3½	4	4½
Length of bristle	3¾	4	4¼	4¼
Price, each	\$ 1.65	\$ 2.40	\$ 3.25	\$ 3.75

Majestic Wall

A black bristle brush about equal to our Master Painters' except with a trifle shorter stock. Bristles set in rubber.

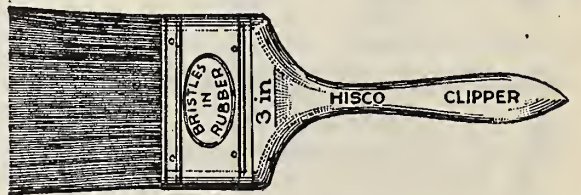
Width	3	3½	4	4½
Length of bristle	3¼	3½	3¾	3⅞
Price, each	\$ 1.10	\$ 1.40	\$ 1.80	\$ 2.60



TRIUMPH WALL INDIVIDUAL CARTONS

A superior black bristle brush, nickel bound with dark red handle. Bristles set in rubber. Five sizes.

Width	2½	3	3½	4	4½
Length of bristle	2¾	2¾	3	3¼	3½
Price, each	\$.65	\$.75	\$ 1.00	\$ 1.35	\$ 1.75



Clipper Wall

Good all purpose paint brush. Black bristles set in rubber.

Width	2½	3	3½	4
Length of bristle	2¾	2¾	2½	2¾
Price, each	\$.50	\$.60	\$.75	\$.95

Raven Wall

Black bristle, low priced paint brush. Bristles in rubber.

Width	2½	3	3½	4
Length of bristle	2¼	2¾	2½	2½
Price, each	\$.40	\$.50	\$.60	\$.70

Maine Wall

Black bristle set in rubber.

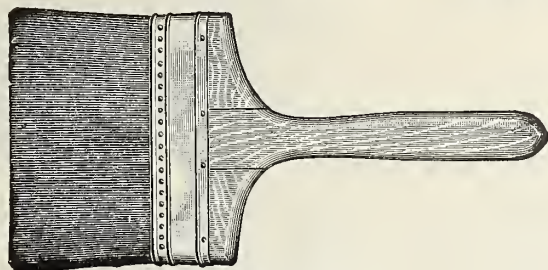
Width	6
Length of bristle	3¼
Price, each	\$ 1.60

All Prices Subject to Change Without Notice

Kalsomine Brushes

BRUSHES

Whitewash Brushes

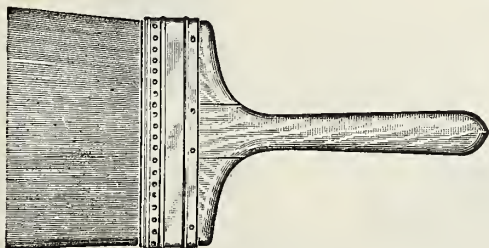


Gray Extra Extra

Gray mixed bristle. Unfinished handle. Galvanized ferrule. Our best grade. Width 7 Length of bristle 5 1/4
Price, each \$11.50

Korea

Black bristle. Dark red polished handle. Nickel bound. Width 7 Length of bristle 5
Price, each \$8.50



Trojan

Black bristle. Natural finished handle. Nickel bound. Width 7 8
Length of bristle 4 3/8 4 5/8
Price, each \$4.60 \$6.75

Mongol

Black bristle. Natural finished handle. Nickel bound. Width 6 7
Length of bristle 3 1/4 3 1/2
Price, each \$1.75 \$2.25

Paper Hangers' Smoothers



Paris

Bristle, wire fastened. Length 10 12
Price, each \$2.40 \$2.95

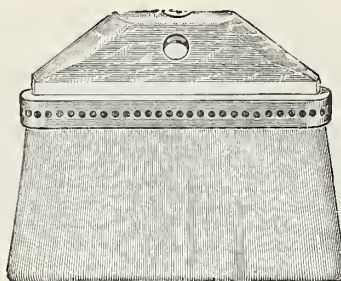
Dandy

Grass fibre stock. Length 10 Price, each \$.45



Monarch Oval Paint with Bridle

A superior brush, long stock, black bristle. Three sizes. Size 5 6 7 8 10
Price, each \$1.80 \$2.15 \$3.30 \$3.85 \$4.80



Special Smith's

Hand made. Leather bound. Size 5/0 Length of bristle 5
Width 8 1/2 Price \$15.00

Gray Russia

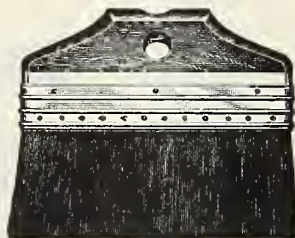
Leather bound. Unfinished head. Size 4/0 Length of bristle 7 1/2
Width 8 1/2 Price \$11.75

Cambridge

Black bristle. Leather bound. Size 3/0 Length of bristle 4 1/4
Width 8 1/2 Price \$6.25

BB Typhoon

Black bristle. Metal bound. Size 3/0 Length of bristle 4
Width 8 Price \$3.75



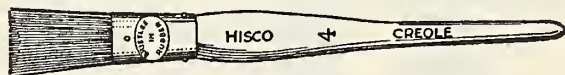
Malden

Black bristle. Metal bound. Width 6 7 8
Length of bristle 3 3 3
Price, each \$.90 \$1.20 \$1.50

Pride

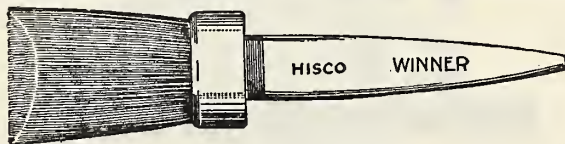
Grass fibre stock. A low priced brush for paste. Width 6 7
Length of bristle 2 1/4 2 5/8
Price, each \$.50 \$.60

Sash Tools



Creole Sash

Good quality Chinese bristles set in rubber. Number 1 2 3 4 5 6 7 8 1
Price, each \$.20 \$.20 \$.25 \$.30 \$.35 \$.40 \$.45 \$.50

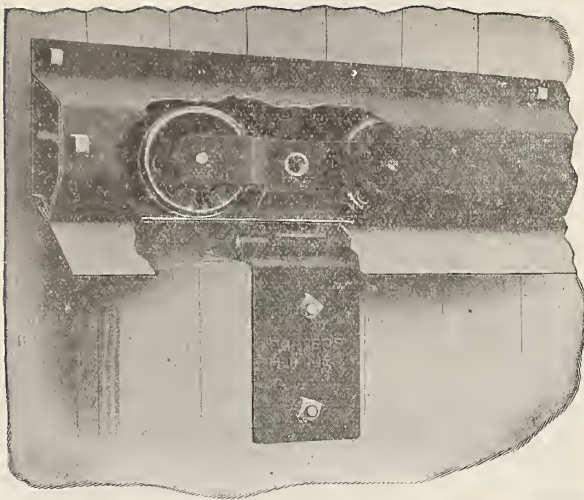


Winner Oval Varnish

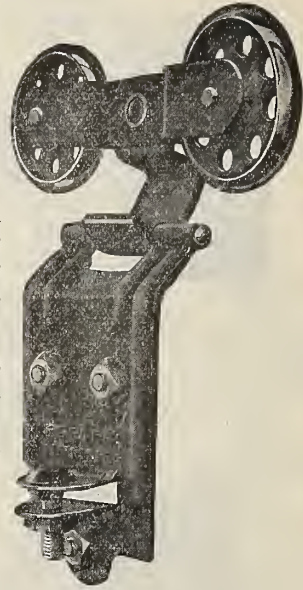
Width about 2 3/4 in. Price, .50

All Prices Subject to Change Without Notice

BARN DOOR HANGERS



No. 21. Hummer Adjustable Hanger. Per Set.....\$2.25
Hummer Steel Track. Per Foot..... .34
6, 8 and 10 foot lengths.

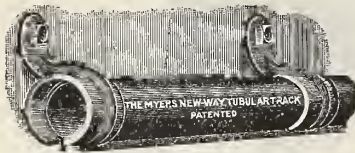


Porter's Hummer Tandem Adjustable Barn Door Hangers

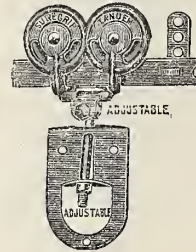
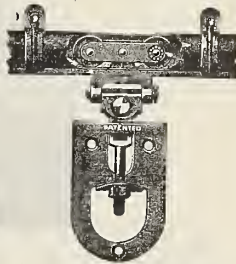
Wheels are $2\frac{3}{4}$ inches in diameter, made of superior gray iron and run on roller bearings. This hanger has a vertical adjustment of $\frac{3}{4}$ inch.

Hummer one-piece track is made of No. 14 gauge high carbon steel, is water-proof, bird-proof, storm-proof and self-cleaning.

Myers Giant Adjustable Tandem Door Hanger For Tubular Girder Track Adjustable to and from Building and to Raise and Lower the Door



No. 15. Giant Tubular Hanger.....\$2.70 per pair.
Giant Tubular Track..... .32 per foot.
Intermediate Brackets..... .20 each.
End Brackets..... .20 each.

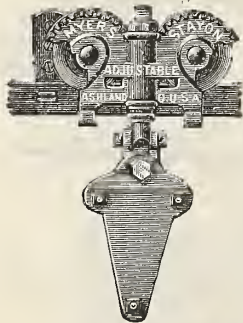


Myers Sure Grip Tandem

Adjustable Door Hanger

The perpendicular and lateral adjustments are made with an ordinary wrench, and at the will of the user. Runs on same style track as the number 3 and 25 Hangers.

No. 5. Sure Grip Hanger. Per Set, \$2.00



The Myers Adjustable Tandem Stayon Flexible Door Hanger with Steel Roller Bearings

This hanger can be adjusted perpendicularly so as to locate the door at any point above the ground desired. Also to adjust the door to or from the building.

No. 3. Price.....\$2.50 per pair
Flat Steel Track.....10 per foot
4, 6 and 8 foot lengths.

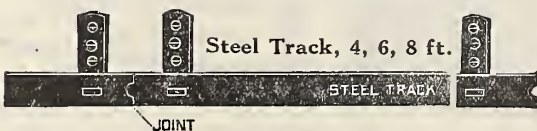
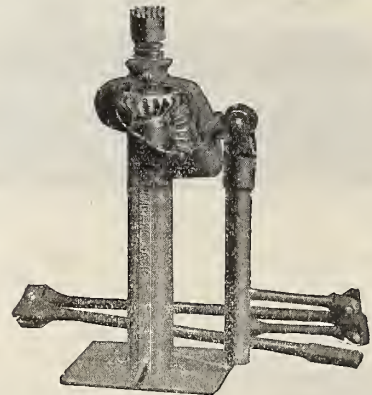


Fig. 860

The New Light Model Kimball Ball-Bearing Jack



Standard Kimball Jacks Nos. 1, 3 and 4

For all passenger cars. The lifting capacity of 4,000 pounds is ample for trucks up to two tons. Gears fully enclosed and run in grease.

Nos. 1, 3 and 4, furnished with diamond-pointed or extension saddle head. Price, \$5.00.

All Prices Subject to Change Without Notice

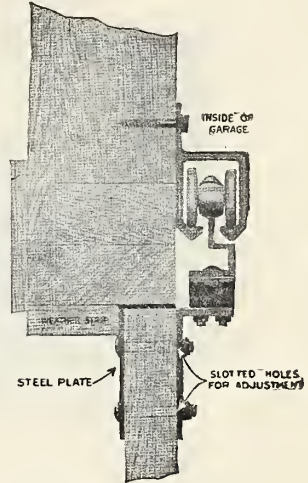
Straight-Away Garage Door Hanger

A Practical Outfit

"Straight-Away" is easily and quickly installed. It is made to fit standard doors. In the carton all parts and screws are **separately packed and marked where they are to go**. No possibility of making a mistake. You, yourself, can install it in an incredibly short time.

Its **straight track** does away with extra labor and extra cost where a support-

ing arm is required. And it permits of saving of space, because the doors are **Fold-ing-Sliding**. The **Offset-Swivel**—an exclusive Porter feature—insures a perfect fit of doors against jamb and weather-strip. No possible chance for a "Straight-Away" outfit to sag, spring or bind. Slotted holes in the hanger plate make it easily and quickly adjustable to unevenness in floor, etc.



What the Set Includes

The "Straight-Away" Garage Door set contains everything necessary for you to immediately install it. Note that no brace timbers are required, as the track is **straight** throughout its length.

The set is designed primarily for standard doors, 2 ft. 8 in. x 8 ft., these filling the regular width opening of eight feet.

Price, complete with all fittings as illustrated above, including 8 feet double V track.....\$7.50

GIBRALTAR PORTABLE PLATFORM SCALE

Single Beam with Wheels

Beams graduated 50 lbs., by $\frac{1}{4}$ lbs.

It is absolutely accurate and durable.

The "Gibraltar" scale is made to comply with the laws on weights and measures of all States of the Union

600 Lbs. Capacity.
Platform 16x25.

Price, \$27.50

1,000 Lbs. Capacity.
Platform 17x26.

Price, \$31.50



Climax Ball-Bearing Grindstone

A well and substantially built machine equipped with both hand crank and treadle. Frame is a combination of wood and steel — finished in Japan and red paint. Runs "true" and easy, for journals are fitted with Ball-Bearings.

Furnished with carefully selected Berea grit stone — from 2 to $2\frac{1}{4}$ inches thick.

Climax Ball-Bearing.
Large stone.....\$10.25

Climax Ball-Bearing.
Medium stone.....\$9.50



The Myers O. K. Hay Unloader

For Rope or Cable Draft

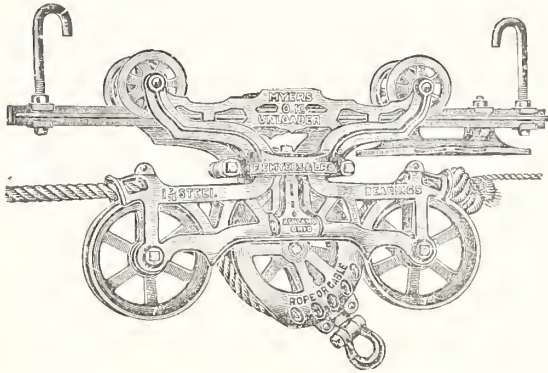


Fig. 1652

Reversible and Swivel

The Myers O. K. Unloader with extra long truck and seven-inch sheaves for cable draft rope is especially designed for heavy work. The long truck distributes the load on the track and adapts the car for using two forks or slings.

The bearings on all rope sheaves are 1 7-16th diameter, hard turned steel.

Price List, Represented by Fig. 1652

No. 209. Myers O. K. Unloader for Double Steel Track, 7-inch sheaves. **Net Price, \$12.50**

No. 200. Myers O. K. Unloader for Double Steel Track, rope draft, small sheaves, otherwise same as No. 209. **Net Price, \$10.25**

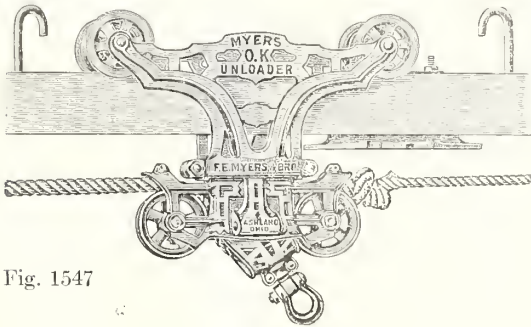


Fig. 1547

The Myers O. K. Unloader is our latest and best production. Has extra long and heavy truck, distributing the load on track and designed for heavy work.

Price List, Represented by Fig. 1547

No. 205. Myers O. K. Unloader for wood track, rope draft. **Net Price, \$10.25**

No. 212. Myers O. K. Unloader for wood track, rope draft. Same as No. 205 and in addition has 7-inch rope sheaves. **Net Price, \$12.50**

All Prices Subject to Change Without Notice

SPECIAL NOTICE: When requesting quotations do not fail to give exact length of barn, whether ridge or full rafter, and distance between rafters. Also state whether you expect to hoist from end or center of barn.

Estimates for Hay Carrier Outfits

Estimate of material required for a Steel Track Outfit for different barns:

For a 40-foot barn, One Carrier, 36 ft. Track, 12 Hanger Hooks, 12 Rafter Brackets, 1 Harpoon, or Grapple Fork, 3 Pulleys, 3 Floor Hooks, 140 ft. 3/4-inch Manila Rope, 55 feet 3/8-inch Check Rope, 1 Rope Hitch.

For a 50-foot barn, One Carrier, 48 ft. Track, 20 Hanger Hooks, 20 Rafter Brackets, 1 Harpoon, or Grapple Fork, 3 Pulleys, 3 Floor Hooks, 160 ft. 3/4-in. Manila Rope, 60 ft. 3/8-in. Check Rope, 1 Rope Hitch.

For a 60-foot barn, One Carrier, 54 ft. Track, 20 Hanger Hooks, 20 Rafter Brackets, 1 Harpoon, or Grapple Fork, 3 Pulleys, 3 Floor Hooks, 185 ft. 3/4-in. Manila Rope, 65 ft. 3/8-in. Check Rope, 1 Rope Hitch.

Above estimates of Rope are for an End Hoist. In hoisting from center of barn, less Rope will be necessary.

Approximate Size, Weight and Feet per Pound of MANILA ROPE

SIZE Circum. Inches	Diam. Inches	Weight of Full Coils	Weight of Half Coils	Feet Per Pound	Strain in Pounds
6 (thd.)	1/4	22	11	55 ft.	625
9 (thd.)	5/16	29	15	40 "	1,000
12 (thd.)	3/8	50	25	24 "	1,270
1 1/4	7/16	65	32	18 "	2,100
1 1/2	1/2	90	45	13 "	2,400
1 3/4	9/16	125	63	10 "	3,300
2	5/8	160	90	8 "	4,000
2 1/4	3/4	195	110	6 "	4,700
2 1/2	13/16	235	130	5 "	5,600
2 3/4	7/8	270	165	4 1/2 "	6,500
3	1	325	195	3 1/2 "	7,500
3 3/4	1 1/4	500	300	2 " 4 in.	12,500



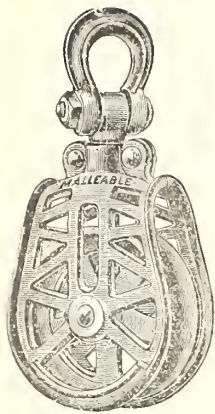
Dustbane

The very best of all sweeping compounds on the market. No sand to increase its weight. It is a perfect Dust Killer. Every Storekeeper as well as every housewife should have a supply on hand and use it at every sweeping.

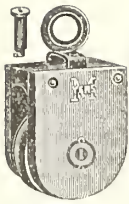
A handful at a time when you sweep absorbs the dust, brightens the floor and cleans your carpet.

Prices: Large can, .40; 50-lb. can, \$2.75; 100-lb. barrel, \$4.65; 200-lb. barrel, \$8.50.

PULLEYS



No. 1124



No. 466



No. 1267



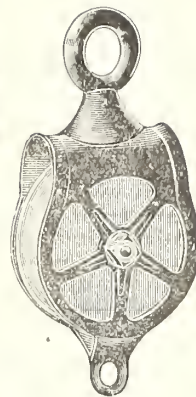
No. 1120



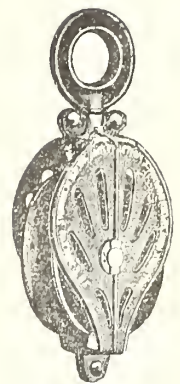
No. 1133



No. 692



No. 486



No. 1701

- No. 1133. Plain Pulley, 6-inch maple sheave, malleable frame.....
- No. 692. Cast Frame, 5½-inch iron sheaves.....
- No. 486. Floor Pulley with large loose pin.....
- No. 1267. Cast frame, plain, 6-inch maple sheave, 1-inch hollow axle.....
- No. 1120. Malleable frame knot passing, 6-inch maple sheave, 1-inch axle.....
- No. 1701. Malleable Pulley. Malleable frame and sheave, steel axle, roller bearing.....
- No. 466. O. K. wood pulley with steel yoke, 1-inch hollow axle.....
- No. 1124. Special Malleable Frame, extra heavy.....

\$0.60

.55

.70

.60

.70

1.35

.60

1.25

No. 628
Snatch Block
Price, \$1.35



Myers Patent Double Steel Track

Price per foot..... \$0.25

Grapple Fork

4 tined..... \$10.50
6 tined..... 12.00



25 INCH TINE

Double Harpoon Hay Fork

Price, each

25 inch..... \$2.25
31 inch..... 2.50
Alfalpa..... 5.50



Wood Track Hanger Hooks

Each

10 inch..... \$0.13
12 inch..... .14
14 inch..... .15
16 inch..... .16
18 inch..... .18



Jointed Hanger Hooks

12 inch..... Price, each \$0.25

Ridge Pole Hooks

¾ inch..... Price, each \$0.15

All Prices Subject to Change Without Notice



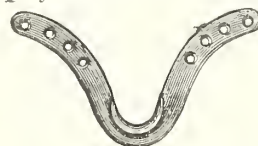
Steel Track Hanger Hooks

Price, each..... \$0.18

Jointed Steel Track Hanger Hooks

Price, each, \$0.25

Knockers, Stops, Wheels and complete line of Repairs
for Myers Clover Leaf Unloaders.



Rafter Brackets

Price, each..... \$0.06



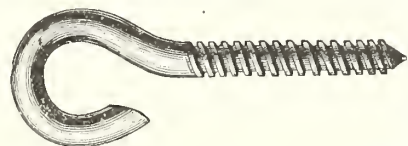
Steel Grapple

Each..... \$0.75



Swivel Rope Hitch

Each..... \$0.40



Floor Hooks

Price, each

¾-inch..... \$0.18

Drive Screws

Per gross..... \$0.65

MYERS LINE OF PUMPS

We carry the most complete line of Pumps in this section. We have it whether you want it for house, barn or orchard. House pumps, well pumps, for all conditions, including spraying pumps and pumps for pneumatic water systems, whether hand or power. If it's a Myers it is right.

The Myers Long Stroke Cog Gear Brass Cylinder Pitcher Pump

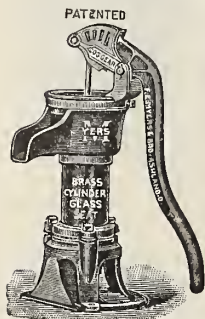


Fig. 1665

No. R 220. Fig. 1665. 3 inch brass cylinder cog gear pitcher pump, with patent glass valve seat, tapped for 1 1/4 inch suction pipe.

Net Price, \$6.25

The Myers Cog Gear Pitcher Pump Fitted With Brass Valve Seat

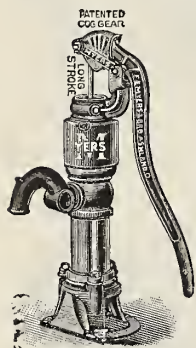


Fig. 1746

No. R 416. Fig. 1675. 3 inch polished iron cylinder, tapped for 1 1/4 inch suction pipe.

Net Price, \$4.25

No. 416. Same as No. R 416 except it does not have the cog gear handle.

Net Price, \$4.00



Fig. 1675

The Myers Cog Gear House Lift Pump with Siphon Spout and Glass Valve Seat

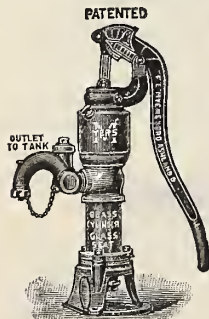


Fig. 1663

No. R 245. Fig. 1746. 3 in. brass cylinder, tapped for 1 1/4 in. suction pipe. Net Price.....\$7.00

No. R 247. Fig. 1746. 3 1/2 inch brass cylinder, tapped for 1 1/2 inch suction pipe. Net Price.....\$8.50

No. R S 245. Fig. 1897. 3 inch brass lined cylinder, tapped for 1 1/4 inch suction pipe, 4 ft. set length. Net Price.....\$10.50

No. R S 247. Fig. 1897. 3 1/2 in. brass lined cylinder, tapped for 1 1/2 inch suction pipe, 4 foot set length.

Net Price.....\$12.00

[All Prices Subject to Change Without Notice]

The Myers Cog Gear House Force Pump with Siphon Spout and Glass Valve Seat

No. R 251. Fig. 1663. Force pump, 3 inch brass cylinder, tapped for 1 1/4 inch suction pipe.

Net Price.....\$9.00

No. R 253. Fig. 1663. Force pump, 3 1/2 inch brass cylinder, tapped for 1 1/2 inch suction pipe.

Net Price.....\$10.50

Cock Spout as on Fig. 1895 on either of the above pumps. Add to Net Price.....\$1.00

No. R S 251. Fig. 1473. Force pump, 3 inch brass lined cylinder, tapped for 1 1/4 inch pipe, 4 ft. set length.

Net Price.....\$12.00

No. R S 253. Fig. 1473. Force pump, 3 1/2 in. brass lined cylinder, tapped for 1 1/2 in. pipe, 4 ft. set length.

Net Price.....\$13.50

Cock Spout on either of above pumps, add to Net Price.....1.00

Myers Brass, Brass Lined and Polished Iron Cylinders

Fig. 976. Myers Brass Lined Cylinders are constructed with an outer shell of cast iron, in which is placed a heavy seamless drawn brass tube, ends of which are swaged out by our patent roller process to fit bevel on outer shell.



Fig. 976



Fig. 215

Fig. 215. Myers Brass Cylinders with Glass Valve Seat capped outside, are especially adapted for drilled wells of small diameter.

Fig. 577 Brass Cylinder Sectional View

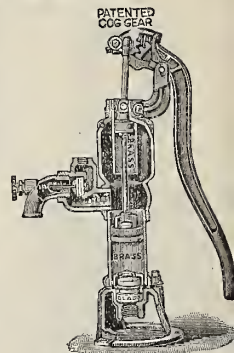
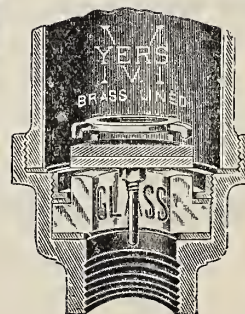


Fig. 1895

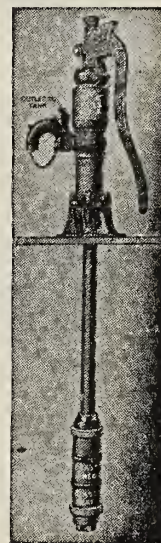


Fig. 1473

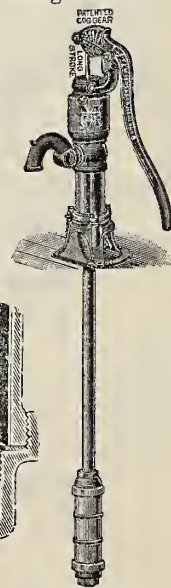


Fig. 1897

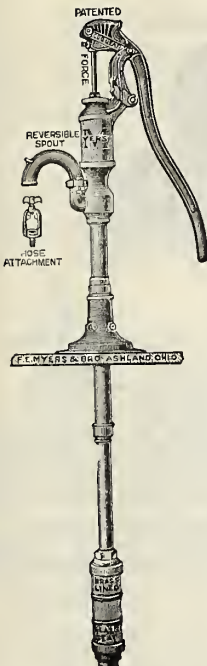


Fig. 1898



Fig. 1159



Fig. 1170



Fig. 1830

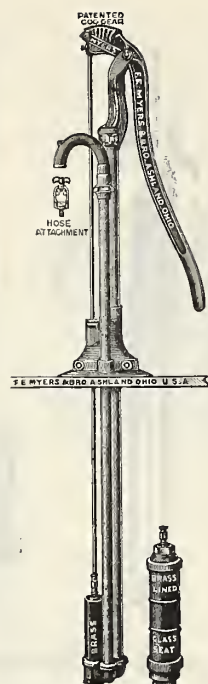


Fig. 1766



Fig. 1109

Myers Adjustable Base Lift Pump

Fig. 1830—No. R 1058.	3 in. polished iron cylinder, with iron seat tapped for 1¼ inch suction pipe.	Net Price	\$9.00
Fig. 1830—No. R 1059.	3½ in. polished iron cylinder, with iron seat, tapped for 1½ inch suction pipe.	Net Price	10.00

Myers Cog Gear Lift Pumps

Fig. 1830—No. R 1052.	3 in. brass lined cylinder, with glass seat, tapped for 1¼ in. suction pipe.....	Net Price	11.50
Fig. 1830—No. R 1054.	3½ in. brass lined cylinder, with glass seat, tapped for 1½ in. suction pipe.....	Net Price	13.00

Myers Cog Gear Stock Lift Pump

Fig. 1170—No. R 104.	4 in. brass lined cylinder with glass seat, tapped for 2 in. suction pipe.....	Net Price	\$19.00
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Myers Cog Gear Branch Pipe Double Acting Force Pumps

Fig. 1766—No. R 5.	Has a 3 inch brass lined lower cylinder, with glass valve seat, tapped for 1¼ inch suction pipe.	Net Price	\$1.700
Fig. 1766—No. R 16.	Has a 3½ inch brass lined lower cylinder with glass valve seat, tapped for 1½ inch suction pipe.	Net Price	\$19.00

Myers Cog Gear Combination Shallow or Deep Well Force Pumps

Fig. 1109—No. R 184.	Has a 2½ inch brass lined lower cylinder with latest improved glass valve seat.		
	The brass upper cylinder is 4½ feet below the platform, tapped for 1¼ inch pipe.....	Net Price	\$18.50
Fig. 1109—No. R 186.	Has a 3 inch brass lined lower cylinder with latest improved glass valve seat.		
	The brass upper cylinder is 4½ feet below the platform, tapped for 1¼ inch pipe.....	Net Price	\$18.50
Fig. 1109—No. R 188.	Has a 3½ inch brass lined lower cylinder with latest improved glass valve seat.		
	The brass upper cylinder is 4½ feet below the platform, tapped for 1½ inch pipe.....	Net Price	\$20.50

Myers Cog Gear Single Acting Force Pumps

Fig. 1898—No. R 1072.	3 in. brass lined cylinder, glass valve seat, tapped for 1¼ inch suction pipe	Net Price	\$13.00
Fig. 1898—No. R 1074.	3½ inch brass lined cylinder, glass valve seat, tapped for 1½ inch suction pipe.....	Net Price	\$14.50

Myers Cog Gear Branch Pipe—Three-Way Single Acting Force Pumps

Fig. 1159—No. R 227.	With brass plunger tube without lower cylinder, tapped for 1¼ in. pipe.....	Net Price	\$16.50
Fig. 1159—No. R 228.	With brass plunger tube with 3x14 in. brass lower cylinder, tapped for 1¼ in. pipe.....	Net Price	\$24.00

All Prices Subject to Change Without Notice



Fig. 406

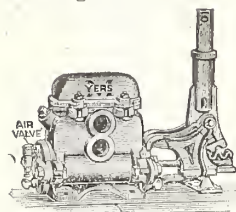


Fig. 1906

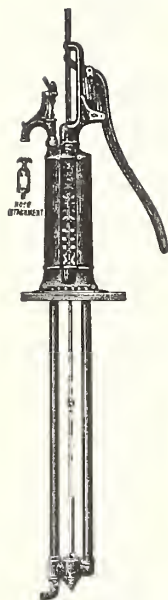


Fig. 1765

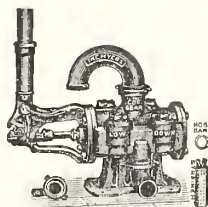


Fig. 1287

Myers Windmill and Tank Pumps

Fig. 695.—No. 160. 2½ in. brass cylinder glass valve seat, tapped for 1½ in. pipe, suction and discharge. **Net Price.....\$21.50**

Fig. 695—No. 161. 3 in. brass cylinder, glass valve seat, tapped for 1½ in. pipe, suction and discharge. **Net Price.....\$22.50**

Myers Imperial Cog Gear Single Acting Windmill Force Pump

Fig. 1765—No. R236A. 1¼ in. three-way, brass plunger tube, 3x14 in. brass lower cylinder. **Net Price, \$29.50**

Myers Windmill Regulator Force Pumps

Fig. 406—No. 243. Fitted with 1½ in. 3-way 3x14 brass lower cylinder and plunger tube. **Net Price, \$40.50**

Myers Cog Gear Low Down Force Tank Pumps

Fig. 1906—No. R288A. Hydro Pneumatic Century low down, 3 in. brass lined cylinder tapped for 1¼ inch pipe. **Net Price, \$15.00**

Fig. 1287—No. R470. Fitted with hose nipple, hose attachment, hose band and strainer. **Net Price, \$14.50**

The Myers Direct Water System

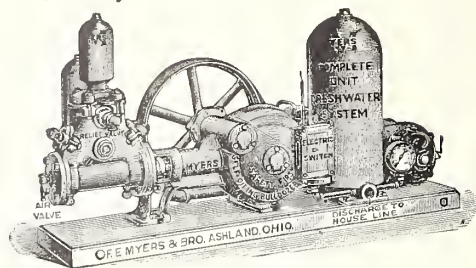


Fig. 1980

The ordinary leakage of a defective Faucet does not start the Pump on a Myers Direct Water System, as there is a gallon of water in reserve to take care of minor defects in plumbing.

Figure 1980 illustrates the Myers Direct Water System—a complete unit. The only thing necessary in installation is to connect the Discharge to the House Line.

This Outfit is composed of our No. 612AM Self-Oiling Bulldozer, 2½ x 3 inch, Pump mounted complete with a ½ H. P. Motor, Pressure Gauge and Electric Switch. The Air Chamber on the Line Pipe is of sufficient size to properly cushion the stream and at the same time not to allow any unnecessary surplus water, as is the case in all Storage Tanks. It is never necessary to draw more than one gallon of water until the pump starts, after which it pumps fresh water direct from the supply to the faucets.

OPERATION: The Myers Direct Water System is of sufficient capacity to pump directly against the faucets supplying an ordinary residence. The opening of any faucet starts the Pump. The expense of the current in operating an Outfit of this class is no greater than is required for operating a pump of one-half the capacity when connected with a large Storage Tank, as they are obliged to work under a pressure of from 40 to 50 pounds, whereas the Myers Direct Water System works under a pressure of 10 to 30 pounds only.

Fig. 1991 represents the Pump crated for shipment.

No. 622AM. Shallow Well Unit complete as shown in Fig. 1980, including ½ H. P. 110-220 volt, 60 cycle, single phase, A. C., D. C. Motor, Belt, Pressure Gauge, Electric Switch and Air Chamber for Discharge, Mounted on Plank. **Price, \$195.00**

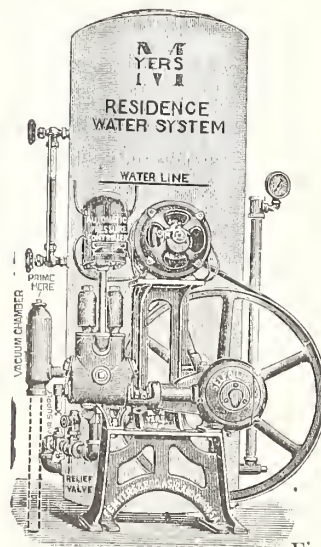


Fig. 1823

Fig. 1823—No. 606AT Myers Electric House Pump, with Vacuum Chamber, Relief Valve, Air Valve, Pressure Controller, Endless Belt and 1-6 H. P., 110 Volt, 60 Cycle, Single Phase A. C. Motor with 40 gallon Galvanized Tank, Base, Water Gauge, Pressure Gauge and Connecting Fittings.

Price, \$125.00

All Prices Subject to Change Without Notice

Myers Self-Oiling Bulldozer Power Pump

Fig. 1999 represents the Myers Self-Oiling Bulldozer Power Pump with Cog Gear Handle Attachment.

The Power End consists of a one-piece casting which forms the base of the pump and oil reservoir and encloses all working parts, protecting them from dirt or injury, and securing safety of operation. From the oil reservoir in the base, oil is carried by the main gear to the highest parts of the pump and by a system of channels distributed to all moving parts and returned again to the reservoir. This system of flood lubrication contributes quiet operation and long life, with a minimum of attention.

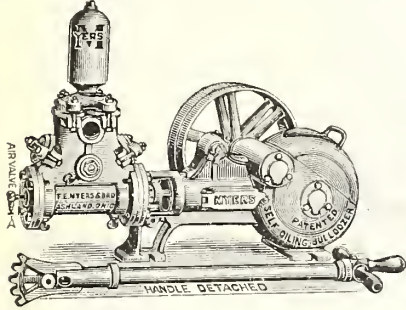


Fig. 1999 — No. 610A, 2 1/2 x 3, brass lined cylinder, 12 x 2 in., tight and loose pulleys, suction and discharge 1 1/4 in., has cog gear handle for hand use.

Net Price \$55.00

Fig. 1999

No. 612. 2 1/2 x 3 brass lined cylinder, 12-2 in. tight and loose pulleys, suction and discharge 1 1/4 in.

Net Price, \$50.00

No. 613. 3 x 4 brass lined cylinder, 14 x 2 1/2 in. tight and loose pulleys, suction and discharge 1 1/2 in.

Net Price, \$80.00

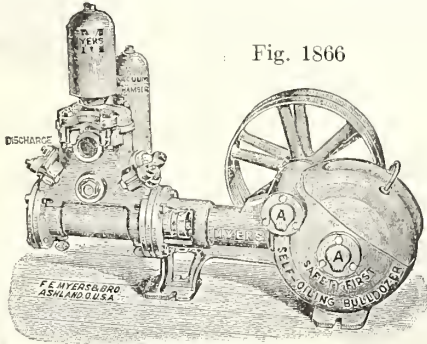


Fig. 1866

Myers Vertical Hydro-Pneumatic Pump

The special advantage of this style pump over an independent Air Compressor is that it admits just enough air at all times to keep Pressure Tank in proper working condition.

The air can be admitted or cut out by tightening or loosening the air cap.

Capacity 360 gallons. No. 379A — For Deep Wells.

Net Price, \$50.00

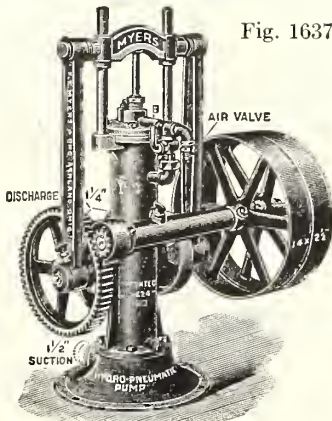


Fig. 1637

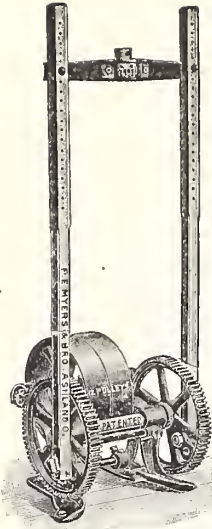


Fig. 1684

Myers Pump Jacks

Fig. 1684—No. 426. Master Double Gear Pump Jack. Back geared, 6 to 1. Pulleys 3 x 12 in. Extra wide, 13 in. between the gear wheels. Net Price, \$19.00

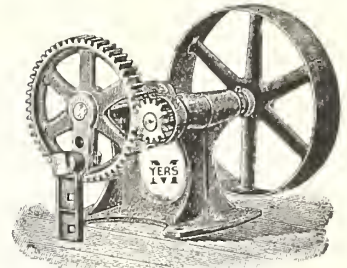


Fig. 1668

Fig. 1668—No. 400 Junior, with 36 in. wood rod and handle connections.

Net Price, \$14.25

Fig. 1605—No. 366 Back geared 6 to 1, 12 inch tight and loose pulleys.

Net Price, \$12.50

Myers Imperial Working Head

Fig. 1584—No. 389 Myers Imperial Working Head with machine cut gear and 14 in. pulleys, as shown in Fig. 1584.

Net Price, \$34.00

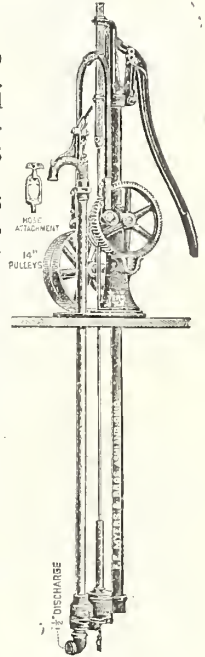


Fig. 1584

Myers Bulldozer Power Pump

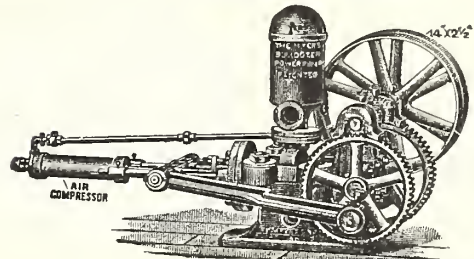
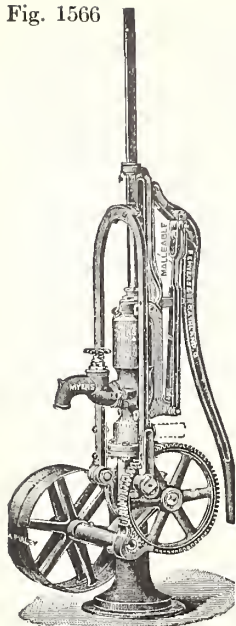


Fig. 1319

Fig. 1319—No. 502A with a 3 x 5 brass lined cylinder, 14 x 2 1/2 inch, tight and loose pulleys, suction 1 1/2 in. Discharge 1 1/4 in. 2 x 5 in. air compressor. Net Price, \$60.00

All Prices Subject to Change Without Notice

Fig. 1566



Myers Siphon Power Pumps

Fig. 1226—No. 373, with $2\frac{1}{2}$ inch brass cylinder, suction and discharge, tapped for $1\frac{1}{2}$ in. pipe. Has 30x4 in. pulleys, 4 in. direct stroke.

Net Price, \$50.00

SPRAY PUMPS

Brown's Auto Sprayer

A practical machine for applying Bordeaux and all solutions to Potatoes, Tobacco and Small Fruits, Poultry Houses, etc.

Brass Extension Pipes, Torches and different nozzles furnished as extras if wanted.

No. 1 B—Brass auto spray with auto pop nozzle.

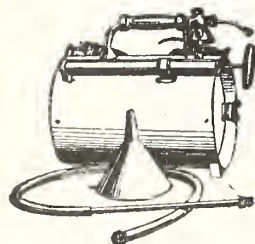
Net Price, \$9.50

No. 1D—Galvanized auto spray with auto pop nozzle.....

Net Price, \$6.50

Brown's Auto Sprayer

Lowell Compressed Air Sprayer



Lowell Compressed Air Sprayer

Does not require constant pumping. Has an automatic thumb lever valve. Most practical for Orchard, Field and Garden work.

No. 110—Galvanized with hose, brass pipe and nozzle.

Net Price, \$6.50

No. 111—Brass, with hose, brass pipe and nozzle.

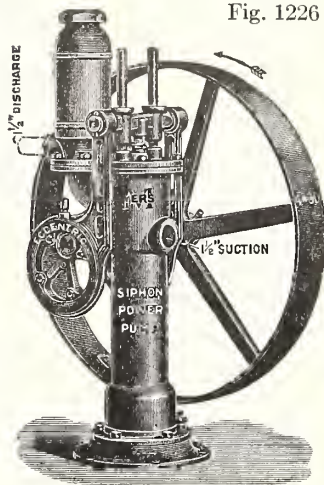
Net Price, \$9.50

The Myers Defiance Working Head

Fig. 1566—No. 388. Working Head belt drive, back geared 6 to 1. $14 \times 2\frac{1}{2}$ inch pulleys. Weight 161 lbs.

Net Price, \$33.00

Fig. 1226



Kant Klog Sprayer

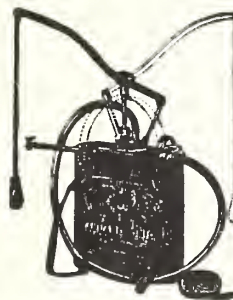
Myers Pneumatic Compressed Air Sprayer

With Self-Locking D-Handle and Screw Top

Myers Pneumatic Sprayer, is built to meet the demands for this style of Spray Pump. It is made of heavy galvanized iron with $1\frac{3}{4}$ in. brass tube cylinder.

No. 296. Pneumatic Sprayer complete with long distance nozzle.

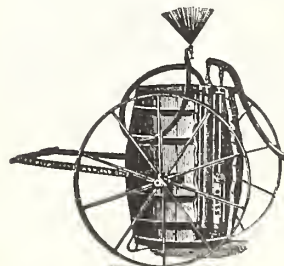
Net Price, \$6.50



Myers Whitewash and Spray Outfit

Fig. 1358—No. 329. Myers Whitewash, Cold Water Painting machine and general purpose sprayer complete as illustrated.

Net Price, \$13.50



Myers Steel Barrel Cart

Fig. 1520. All steel Barrel Cart attached to barrel, has 36 in. steel wheels with $1\frac{1}{4}$ inch tire. Any Myers Barrel Spraying Pump can be used with it.

Steel Cart Only, ready to attach to barrel.

Net Price, \$15.00

Kant Klog Sprayer

The tank of this sprayer is made of heavy polished brass or galvanized steel as ordered. Top and bottom are seamed very strongly to sides, under heavy pressure, making very strong construction. With galvanized steel body, brass air pump, hose, escape valve, "Kant Klog" Nozzle, and carrier strap.

Net Price, \$6.50

With polished brass body and same attachments as above.

Net Price, \$9.50

Fig. 1862



Myers Knapsack Spray Pumps

Fig. 547—No. 330, Galvanized Tank. **Net Price, \$12.50**

Fig. 1358

Fig. 547



All Prices Subject to Change Without Notice

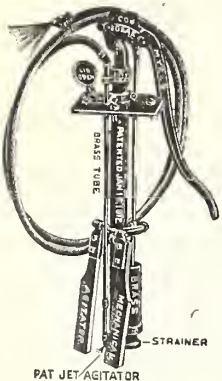


Fig. 1521

Myers O. K. Cog Gear Spray Pump

Price List Represented by Fig. 1542

No. R308. Myers O. K. Spray Pump without barrel or hose.
Net Price, \$21.50

R308B. Outfit with one lead 15 feet of 7 ply $\frac{1}{2}$ in. discharge hose and one Fembro (Fig. 1290) nozzle.
Net Price, \$28.00

R308C. Outfit with two leads of 15 ft. 7 ply $\frac{1}{2}$ in. hose and two Fembro (Fig. 1290) nozzles.
Net Price, \$34.50

Myers Cog Gear Barrel Spray Pump

Fig. 1521—No. R318. Myers Cog Gear Spray Pump, only, with both jet and mechanical agitator, but without hose or nozzle.

Net Price, \$12.00

Fig. 1521—No. R318B. Complete with one lead of 15 ft. of $\frac{1}{2}$ in. 5 ply hose graduating Vermorel Nozzle, both jet and mechanical agitator.

Net Price, \$16.00

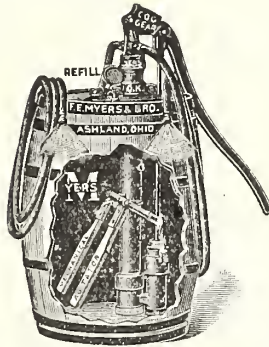


Fig. 1542

Represents No. R308C. Barrel not included.

Price List, Represented by Fig. 1518

No. R316B. Pump complete, 50 gallon barrel mounted on skids, with pressure gauge, one 15 ft. lead of $\frac{1}{2}$ in. 7 ply discharge hose, one Fembro (Fig. 1290) nozzle, one 8 ft. pipe extension with lever shut off and mechanical agitator.

Net Price, \$54.00

No. R316C. Pump complete, 50 gallon barrel mounted on skids, with pressure gauge, two 15 ft. leads of $\frac{1}{2}$ inch 7 ply discharge hose, two Fembro (Fig. 1290) nozzle, two 8 foot pipe extensions with lever shut off and mechanical agitator.

Net Price, \$60.00



STANDARD SPRAY PUMP is not a compressed air sprayer and is, in short, merely a very accurately designed and finely fitted "squirt gun," with a proper outfit of nozzles capable of various combinations. It is made of brass throughout. The nozzles are attached to the discharge end and the hose to the suction end of the pump.

Price, \$5.00; postpaid, \$5.15.

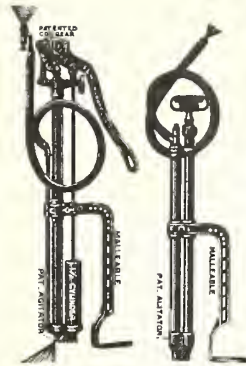


Fig. 1726

Fig. 639

Myers Bucket Spray Pump

Fig. 639—No. 327 $\frac{1}{2}$. Little Giant Brass Spray Pump with agitator, complete with hose and Imperial combination, fine, coarse spray and solid stream nozzle with adjustable malleable foot rest.

Net Price, \$4.50

Fig. 1726—No. R324. Myers Lever Spray Pump, with agitator, complete with hose and graduating Vermorel and solid stream nozzle.

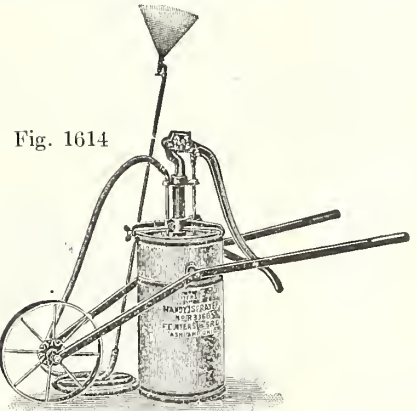
Net Price, \$7.00

Myers Handy Portable Sprayers

Fig. 1614—No. R336B. With cog gear pump.

Mechanical agitator, 15 feet of $\frac{1}{2}$ in. hose, 8 ft. pipe extension in two 4 ft. parts and Vermorel Nozzle. Tank is made of heavy galvanized iron, 12 $\frac{1}{2}$ gallon capacity. A general utility outfit suitable for spraying trees, whitewashing, painting, etc.

Net Price, \$28.00



Myers Cog Gear Spray Pumps, Double Acting

Price List, Represented by Fig. 1571

No. R317B. Pump complete with 100 gallon tank and mechanical agitator, mounted on skids, with pressure gauge, one 15 foot lead of $\frac{1}{2}$ inch 7 ply discharge hose, one Fembro (Fig. 1290) nozzle, one 8 foot pipe extension with lever shut off.

Net Price, \$65.00

No. R317C. Pump complete with 100 gallon tank and mechanical agitator, mounted on skids, with pressure gauge, two 15 foot leads of $\frac{1}{2}$ in. 7 ply discharge hose, two Fembro (Fig. 1290) nozzles, two 8 foot pipe extensions with lever shut off.

Net Price, \$71.00

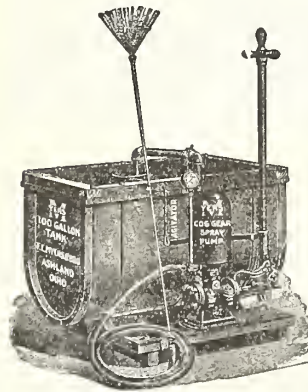


Fig. 1571

All Prices Subject to Change Without Notice

Fig. 543—No. 300 (not illustrated). Myers Double Acting Barrel Spray Pump with mechanical agitator and suction pipe with strainer. **Net Price, \$15.30**

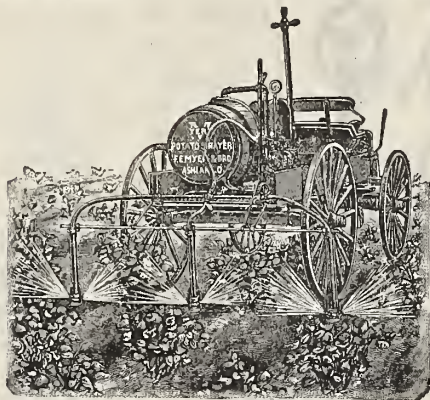


Fig. 1582

Fig. 1582—No. 1. Myers Three Row Hand Potato Sprayer complete, ready to attach to pump. Pump and barrel not included. **Net Price, \$20.00**



Fig. 2098

Fig. 2098 represents the Myers Overhead Four Row Adjustable Potato Sprayer, mounted on plank that bolts to bottom of wagon box, and is complete with all hose and nozzles. The adjustable features adapt it to any kind of work or condition—nozzles adjustable in width to suit any width row and are so arranged that they discharge the spray either directly downward on top of the plant, or either forward or backward as desired—can be raised or lowered a distance of 20 inches for spraying small or large plants.

Fig. 2098—No. 6. Myers Hand Overhead 4 Row Sprayer, complete with hose and nozzles (pump and barrel not included). **Net Price, \$22.00**

Myers Power Spray Outfits

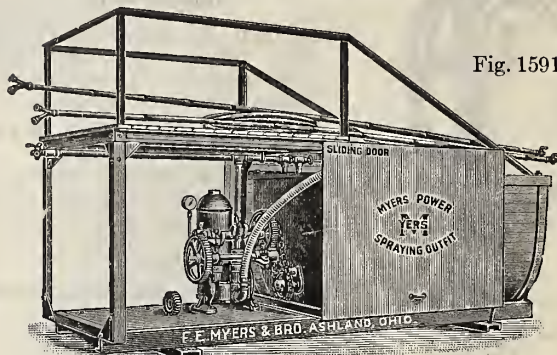


Fig. 1591

Fig. 1591. Myers Senior Power Spray Outfit complete less engine as shown with 200 gallon tank, No. 446—2½ inch Duplex Pump, with pinion for crank-shaft of engine. No. 1 **Net Price, \$245.00**

Equipped as Follows:

- 1 50 foot lead of ¾ inch best grade high pressure discharge hose.
 - 1 10 foot lead of ¾ inch best grade high pressure discharge hose, 10 feet wire bound suction hose.
 - 2 10 feet Bamboo Pipe Extensions complete with lever shut off.
 - 4 Fembro Nozzles—(2 45-degrees, 2 straight-away).
 - 2 Fig. 1560 Y's.
- Rotary agitator. Cut-offs for discharge lines. Relief Valve. Pressure Gauge and Strainer. All assembled ready for use, except the engine.

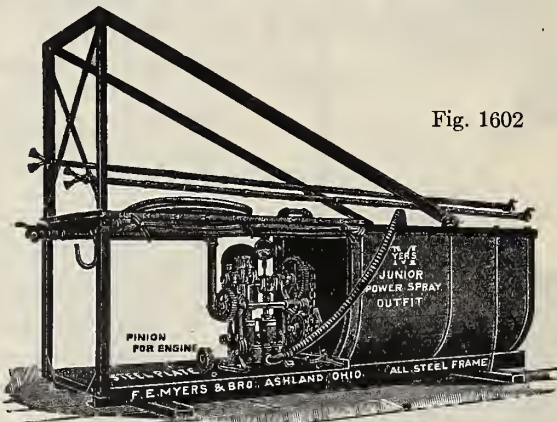


Fig. 1602

Fig. 1602—Myers Junior Power Spray Outfit, complete less engine as shown, with 100 gallon tank. No. 436—2 in. Duplex Pump with pinion for crank-shaft of engine. This outfit has curtains instead of sliding doors. No. 10, **Net Price, \$185.00**

EQUIPPED AS FOLLOWS:

- 1 100 Gallon cypress tank.
- 6 Feet 1 inch suction hose.
- 50 Feet ¾ inch discharge hose with fittings for 2 leads.
- 4 Fembro Nozzles—(2 straight-away and 2 45-degrees).
- 2 Fig. 1560 Y's.
- 2 8 Foot Bamboo Pipe Extensions. Rotary Agitator, Pressure Gauge, Relief Valve, Double Cut Off and Strainer. All assembled ready for use, except the engine.

All Prices Subject to Change Without Notice

Myers Special Power Spray Outfit
Fitted with 2 inch Horizontal Double Acting Force Pump
Complete Except Engine **Belt Driven**
100 Gallon Tank
Price List, Represented by Fig. 1686

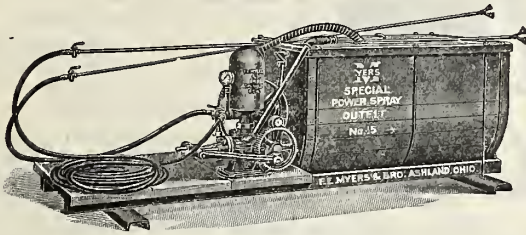


Fig. 1686

No. 15. Myers Special Power Spray Outfit, belt driven, equipped with 50 ft. $\frac{3}{8}$ in. discharge hose with fittings for two leads, two Fembro Nozzles straight-away, two Fembro Nozzles 45 degree, two Fig. 1560 Y's, two 8 ft. iron pipe extension, semi-rotary agitator, pressure gauge, relief valve, double-cut-off, strainer and suction hose.
Net Price, \$132.00

Washington White Spruce Wood Pumps

It is a well known fact that a good Wood Pump furnishes the easiest and best method ever invented for raising water from shallow wells. Easiest repaired, cheaper to maintain, by far, than are Iron Pumps.

Washington White Spruce from which our Wood Pumps are made is superior to any other wood, is practically without sap, and is entirely tasteless.

Net Prices

6 ft. Porcelain Lined.....	\$9.50
7 ft. Porcelain Lined.....	10.25
8 ft. Porcelain Lined.....	11.00
10 ft. Porcelain Lined.....	12.75
12 ft. Porcelain Lined.....	14.00
14 ft. Porcelain Lined.....	15.50
Tubing, per ft.....	32

All repairs for Wood Pumps carried in stock.

Wood Pump Prices are Net
No Discount

Myers Power Spray Gun



Fig. 1824

Utilizes the entire capacity of any Power Spray Pump and does away with all Bamboo Extensions, Nozzles and fittings. All working parts on the outside. Not subject to corrosion.
Net Price, \$6.00

SPRAY PUMP NOZZLES AND FITTINGS



Fig. 772. Hose Redu, $\frac{3}{4}$ in. hose, $\frac{1}{4}$ in. pipe.
Net Price, \$0.30



Fig. 772

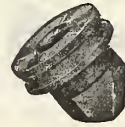


Fig. 101

Fig. 1380. 45 Degree Bend, $\frac{1}{4}$ in. pipe thread.
Net Price, \$0.25



Fig. 1560



Fig. 549

Fig. 1381. 45 Degree Double Bend, $\frac{1}{4}$ in. pipe.
Net Price, \$0.40

Fig. 1283. Lever Shut-off Cock, $\frac{1}{4}$ in. pipe.
Net Price, \$1.00



Fig. 1380

Fig. 642. Imperial Nozzle.
Net Price, \$0.40



Fig. 1381

Fig. 101. Gould's Mistry, Jr., Nozzle, straight or angle brass.
Net Price, \$1.00

Fig. 549. Male end $\frac{1}{2}$ in. hose, $\frac{1}{4}$ in. pipe.
Net Price, \$0.25



Fig. 1091

Fig. 1091. Female end $\frac{1}{2}$ in. hose, $\frac{1}{4}$ in. pipe.
Net Price, \$0.25



Fig. 1283

Fig. 1559. Represents the popular Fembro 45 degree Nozzle, is fitted with a removable steel disk in the cap.
Net Price, \$0.70



Fig. 1559

Fig. 100. Represents the Non-Clog Atomic Nozzle; it has the capacity of four ordinary nozzles. Brass.
Net Price, \$1.00



Fig. 1317

Fig. 1317. Power Nozzle with Self-Cleaner.
Net Price, \$1.10

Fig. 1564. Graduated Vermorel Nozzle.
Net Price, \$0.80



Fig. 1564



Fig. 100

All Prices Subject to Change Without Notice

Fig. 2097. Regular Bordeaux Nozzle.
Net Price, \$1.00

Myers Pipe Extensions
Fig. 480. 8 ft. pipe extension, with couplings.
Net Price, \$0.75

Fig. 1535. 8 ft. pipe extension, with lever shut-off cock.
Net Price, \$1.80



Fig. 480

Myers Bamboo Extensions
Fig. 1536. 8 foot bamboo extension, lever shut off cock.
Net Price, \$5.00

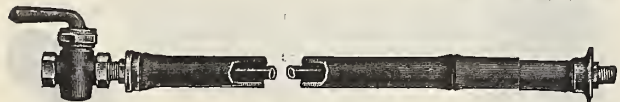


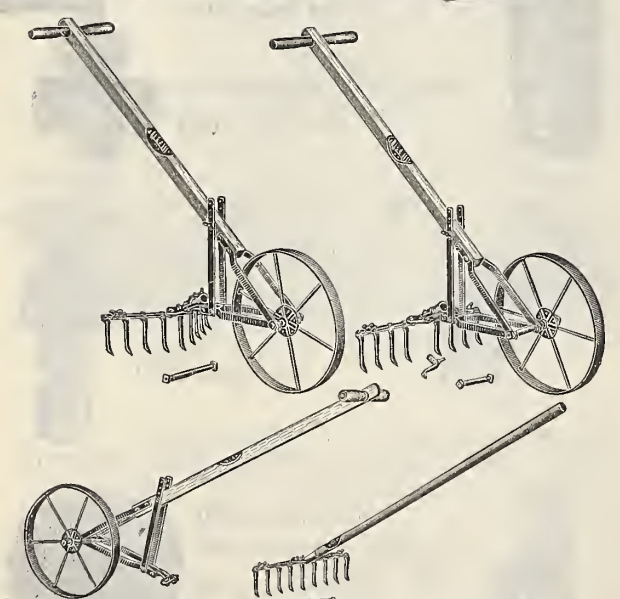
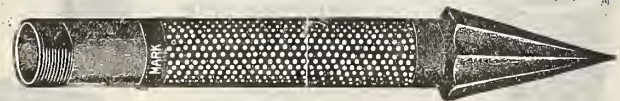
Fig. 1536

No. 1536. 10 ft. bamboo extension, with lever shut off cock.
Net Price, \$5.25

Fig. 1536. 12 ft. bamboo extension, with lever shut off cock.
Net Price, \$5.50

Drive Well Points

No. 90—1¼ in. x 2 ft.	Net Price, \$2.15
No. 98—1¼ in. x 3 ft.	Net Price, \$3.30
No. 136—1½ in. x 2 ft.	Net Price, \$2.80
No. 140—1½ in. x 2½ ft.	Net Price, \$3.50
No. 144—1½ in. x 3 ft.	Net Price, \$4.25



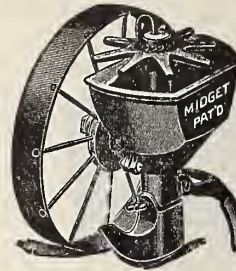
Pull-Easy Wheeled Cultivator Specifications

Handles 4½ feet long. Wheel 14 inches diameter, 1 inch rim. Cultivator adjustable 7 to 18 inches wide. Weight 12 lbs.
Price, \$4.00

All Prices Subject to Change Without Notice

Garden Cultivators and Seeders

Most Popular Seeder Made



The MIDGET SEEDER will pay for itself in a short time, because it saves seed by sowing accurately. Sowing by hand wastes seed.

It is very easy to operate and drills almost any kind of garden seed from the smallest up to and including peas and beans.

The index is in plain view and easily adjusted. The shoe is adjustable for any depth desired, and the coverer swings free.

The Midget opens the furrow, sows the seed and covers up, all in one operation.

It is sold with handle complete, or may be easily attached to almost any wheel cultivator. Hopper holds one pint. Weight 6 pounds.

No. 1 H with handle, Price.....\$4.50

Quick-Adjustable Cultivator

The TRUE TEMPER GENEVA, No. G2, is recognized everywhere as the only real quick-adjustable cultivator on the market.

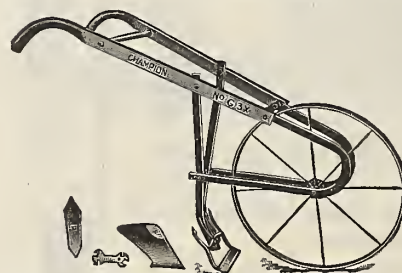
It has a Weeding Hoe, a Plow and five Cultivator Teeth, all permanently attached to a revolving steel plate.

Any of these tools may be securely locked into working position by a few turns of the Hand Wheel—a time and labor saver.

Machine has steel forged tools, well selected oak handles, with comfortable handle grips. It has 14-inch steel wheel and is finished in colors, then varnished. Weight 20 pounds.

No. G2, Price.....\$6.50

Champion No. G-3X



Champion No. G 3X has the popular braced steel Hook Frame and Oak plow-grip handles. It is handy and efficient, an extreme value among cultivators and cannot be matched at the price. The steel wheels have steel bushed hubs, the

handles are adjustable not only for the height of the operator but also for the set of the working tools.

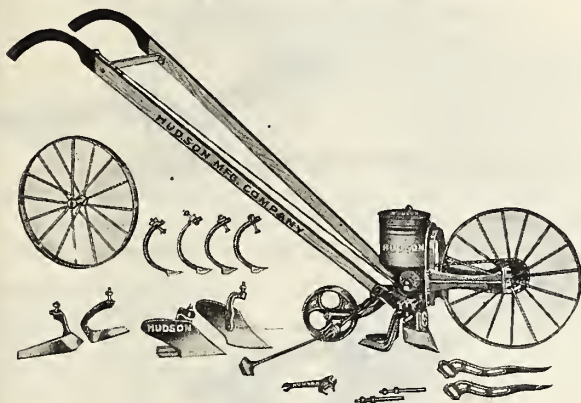
The Moldboard Plow with Landside is properly designed and oil tempered, and will hill, plow or furrow.

The Reversible Sweep with four Cultivating Teeth and the Reversible Calf and Bull Tongue work perfectly and handle without difficulty, and are so carefully made that the machine runs easily and in perfect balance.

G-3X. Weight 20 lbs. Price.....\$3.50

The HUDSON Line

Seeder and Single or Double Wheel Cultivator



No. 201

The No 201 Machine is a combination outfit which may be used as a hill or drill seeder, double or single wheel cultivator, plow or hoe, as conditions require. It has all the equipment to serve the gardener from the initial seeding, until final cultivation. It is readily converted from one use to another; the change from seeder to cultivator being accomplished by removing two red-headed bolts. One standard frame is used throughout.

As a seeder, this machine opens the furrow, drops the seed, closes the furrow, packs the earth, and marks the next row—all in one operation. The seed regulator is made entirely of brass, with openings die cut to insure absolute uniformity. This gives perfect control of the seed flow and insures a uniform drop. Sows all seeds from beans down to the finest garden variety, in continuous drills, or hills, 4, 6, 8, 10, 12 or 24 inches apart. Adjustments in furrow-opening shoe and furrow coverer permit planting at any depth up to 2 inches.

No. 201. Weight 60 lbs. Price.....\$16.00

Iron Age

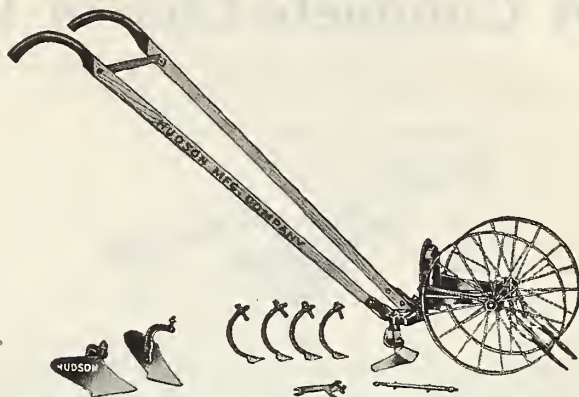
No. 19-C

No. 19-C Iron Age Wheel Cultivator and Plow is a low-priced tool and will always be a convenience to have for many kinds of work.

It does the necessary plowing in many soils, opens furrows for seed or fertilizer and covers on the return trip. Shipping weight, 22 lbs.

Price, \$5.00

Double Wheel Cultivator

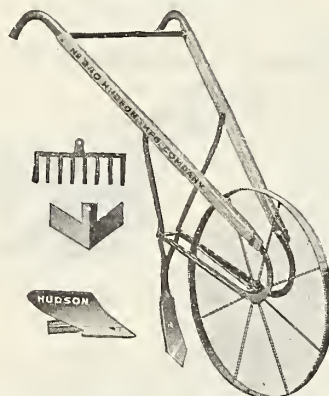


The No. 212 Cultivator may be used as a double wheel hoe, plow, or cultivator astride the row during early cultivation, and as a single wheel cultivator between the rows later. The angle steel arch is high enough to permit straddling until the plants are well grown.

Tool equipment is made of high grade steel, with surfaces polished and lacquered so as to scour in any soil. Cutting edges are sharpened to reduce friction. Moldboards are curved to turn the earth cleanly. All shanks are malleable and unbreakable. Teeth are designed to thoroughly stir up the soil and give the plant roots plenty of air. Wheels are 16 inches high, with 1 1/4 inch tire. Handles are seasoned hardwood, with the easy plow-handle grip, and adjustable to height. Reinforced with steel cross brace which will not break or pull out. Standard steel frame and arch are used, so that seeder parts may be added if desired, making the complete No. 201 outfit.

No. 212. Weight 35 lbs. Price.....\$11.50

Garden Plow



The high wheel garden plow is a universal favorite with the truck farmer or gardener where the work is sufficient to justify separate machines for seeding and cultivating.

A 24 inch high wheel is used which makes traction very easy. Handles are of the right length and adjustable to height for the comfort of the operator. Frame work is of steel, giving great strength and rigidity without excessive weight. The Plow, double pointed shovel and sweep, are made of regular plow steel and are polished and lacquered. The cultivating attachment is made from malleable iron and is equipped with 5 removable steel teeth.

Standard Package—One in bundle, K. D.; weight about 22 lbs.

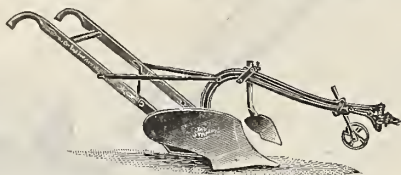
No. 240. Garden Plow. Price\$4.00

All Prices Subject to Change Without Notice

A Complete Line of Good Farm Implements

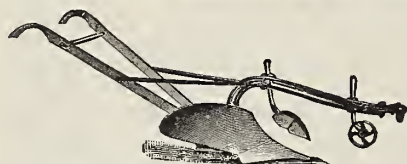
There is a John Deere implement for practically every farming operation. Each carries the John Deere trade-mark, the best-known badge of quality in the implement world.

Syracuse No. 1466 Chilled Plow



For gritty or gravelly soils. Sloping landside prevents furrow wall from breaking or caving in. Moldboard has sufficient curve to pulverize in stubble land. Also works equally well in loam and turns sod perfectly. Rib in landside holds plow to its work. Steel beams—guaranteed not to bend or break. Shares and landsides chilled extra deep by special Syracuse process. Full horn share—a new cutting edge on the shin is obtained with each new share. Cuts 3 to 5 in. deep, 6 to 8 in. wide. One horse size. Weight 82 lbs.

Syracuse No. 31 Plow



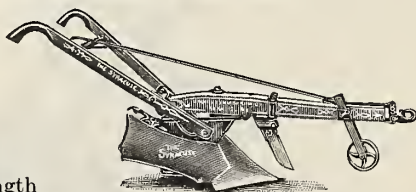
The moldboard of hardened soft-center steel of this plow is so formed that a furrow may be turned smoothly up or down

on sloping land. This makes it an especially good plow for rolling land. Extra high, steel landside with a cast shoe. Handles adjustable. Cuts furrows 5 to 8 inches deep, 12 to 15 inches wide. Weight 113 lbs.

Syracuse No. 32 Plow

Cuts furrow 5 to 7½ inches deep, 10 to 13 inches wide. Weight 110 lbs.

Syracuse Diamond Swivel Plow



This type of Side Hill Plow has always been very popular in New England, being light, but still having great strength and good turning qualities.

Easy shifting clevis and also automatic shifting Coulters except on small size.

Furnished in three sizes:

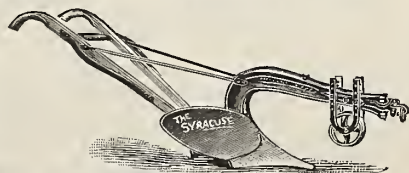
Diamond A2, Medium, 2 Horse, Weight 130 lbs.

Diamond B2, Light, 2 Horse, Weight 126 lbs.

Diamond C2, Light, 1 Horse, Weight 85 lbs.

John Deere-Syracuse No. 1 Contractors' Plow

Excellent for general grading purposes. Hard iron wearing parts. Extra heavy beam, share and strip. Steel wheel frame. Loop handle wear irons. Wood or steel handles. Steel share can be furnished on repair orders. Will turn a furrow 5 to 9 inches deep, 12 to 15 inches wide. Cast moldboard and share. Two to four horses



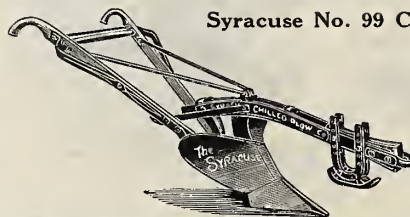
Syracuse No. 98 Contractors' Plow

Especially adapted for tearing up cobblestones or macadam pavement. Strongly built throughout. Adjustable and double reversible crucible



steel point. Adjustable shoe. Loop handle wear irons. Four to six horses.

Syracuse No. 99 Contractors' Plow



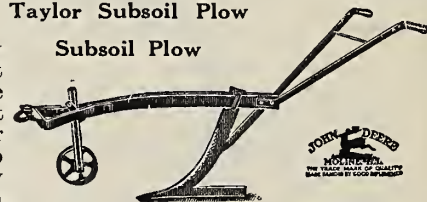
For severe grading purposes in shale or hard pan. Slight turning capacity. Steel truss beam. Steel moldboard and landside. Separate shin piece.

Heavy overlaid wrought steel share. Adjustable shoe. Loop handle wear iron. Four to eight horses.

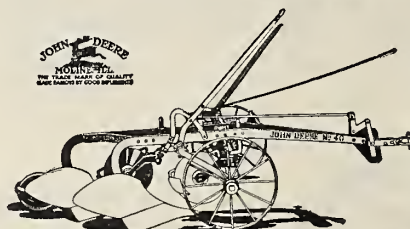
Taylor Subsoil Plow

Subsoil Plow

A valuable plow in sections subject to drouth or where subsoil does not permit water, air and roots to penetrate readily. Cuts a gash in bottom of furrow, permitting water to move downward and spread out.

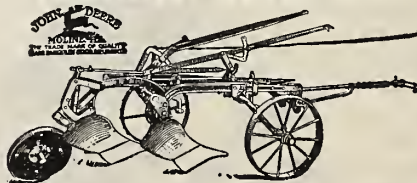


No. 40 Tractor Plow



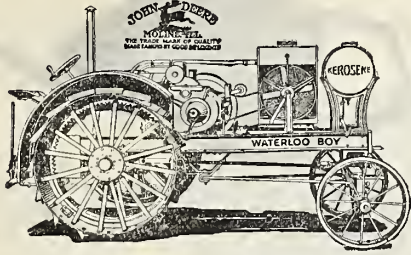
The only built-for-the-Fordson plow with the great draft-reducing combination of self-adjusting hitch and rolling landside. The hitch is always automatically right at all depths; the bottoms always run true and level, and all of the weight is wheel-carried; therefore, the "40" pulls exceptionally light. Special steel makes this light-weight plow a giant in strength. Beams guaranteed not to bend or break. Simple, positive power lift.

John Deere Tractor Plow No. 5



Strong, power-lift plows, equipped with genuine John Deere bottoms that scour, wear well and make good seed beds. Quick detachable shares—loosen one nut to remove share; tighten the same nut and share is on tight. Beams guaranteed not to bend or break. Stiff hitch adjustable to any make of tractor. Sizes—2-, 3- and 4-bottom.

"Waterloo Boy" Kerosene Tractor
The Tractor That's Built For the Farm



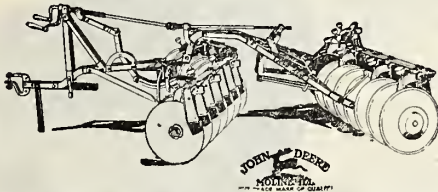
Its heavy-duty construction from engine to drive wheels fits it for your day-in and day-out farm work, both in your fields and on the belt.

Its sturdy, low-speed engine—simple, only two cylinders—gives you 25 H. P.—ample power for threshing, silo-filling, corn-shelling, etc., and 12 H. P. at the drawbar—pulls three plows at the most effective plowing speed.

It's economical. Its engine—specially designed—burns kerosene with big economy. The Waterloo Boy is easy to understand, easy to get at, easy to operate.

Equipment includes Fenders, Wheel Lugs, Governor, Platform, Friction Clutch Pulley, Lever-Controlled Adjustable Hitch—no extras to buy. The Waterloo Boy comes to you complete for drawbar and belt work.

John Deere Model "L" Tractor Disc Harrow
With Yielding Lock Coupling



Exclusive yielding lock coupling, special aligning device and pivoted yoke with spring-pressure feature insure a better job of disk ing entire width of harrow under all field conditions with this harrow.

Yielding lock coupling locks on the straight-away, compelling rear gangs always to cut down ridges left by front discs; yields in turning—no trailing of discs—not skidding around corners.

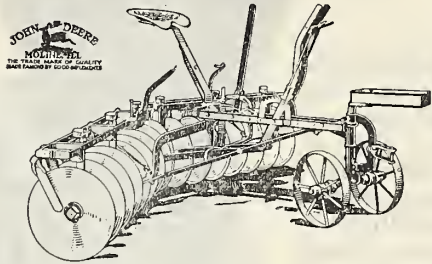
A flexible harrow. Gangs follow the uneven surface of the ground because they work independently of each other. Either section can be angled from the tractor by means of convenient crank, without stopping or backing. Front gangs can be given light or heavy pressure, by means of a crank and powerful pressure spring.

John Deere Pony Tractor Disc Harrow



For use with any standard tractor. Front section, out-throw; rear section, in-throw—making seed bed level and thoroughly pulverized. Double-bar gang frames, unusually strong. Equipped with John Deere yielding lock coupling—rear gangs trail in proper manner—less strain on harrow—easier pull for tractor around corners. Oscillating scrapers.

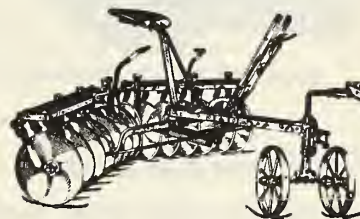
John Deere Model "B" Disc Harrow
The Flexible, Third-Lever Harrow



Each gang of the Model "B" can be given the proper angle to pulverize under difficult conditions, and can be given light pressure, by means of lever controlling powerful pressure spring and pivoted yoke, to go over ridges without burying harrow at its center; or heavy pressure to penetrate and pulverize in dead furrows and other depressions—no ground is skipped. Strong, all-steel frame; double-bar, riveted gang frames; oscillating scrapers and unusually convenient grease cups.

Rear gang and hitch can be furnished to convert this harrow into a double action, horse- or tractor-drawn harrow.

The Deere Model K Harrow



Model K

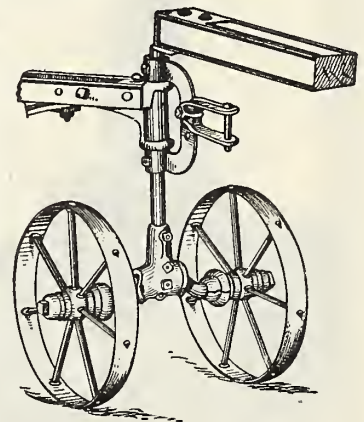
with

Tongue Truck

Deere Combination Tongue Truck
For Steel Stub Disc Harrow

The new Deere Combination Truck and Fore Carriage illustrated here with will fully meet the requirements of all disc harrow users. It is simple, strong and compact in construction. The wheels are solid steel with wide oval tires and with closed bearing boxes.

Can also furnish Tongue Truck to fit any make of Disc Harrow having a wood stub pole.



Improved Stone Boat Front

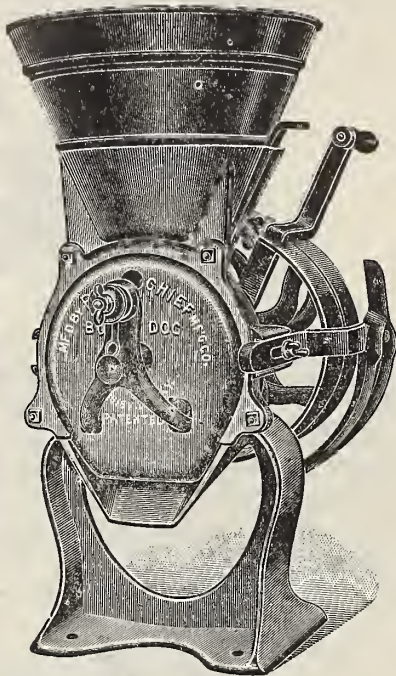


This device enables the farmer to make a stone boat in one hour's time with ordinary straight plank that he may have on the farm. All tools necessary are saw and bit.

"Red Chief" Power Mill No. 20

For grinding corn meal, graham flour, stock feed, etc.

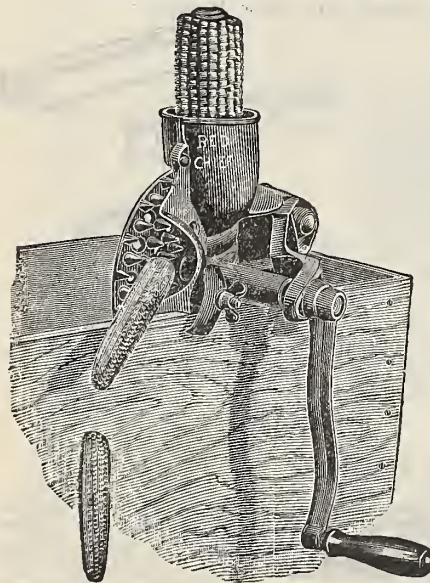
With a speed of 300 to 450 revolutions per minute, will grind 10 to 20 bushels feed per hour. Power required, $1\frac{1}{2}$ to 2 horse power engine. Hand Crank for use when engine is not running. Tight and loose pulley, 10 inches in diameter, $2\frac{1}{4}$ -inch face. Reversible belt shift. Feed Regulator.



Price with Stand, \$27.00

Improved "Red Chief" Hand Corn Sheller

Is Guaranteed to do as Good, if not Better Work, than any other Sheller on the Market



per, which makes sheller run very easy, no force being required to expand a hopper.

Has patent oval shaped teeth shelling the corn without cracking the grains. Only sheller safe to use for shelling seed corn. Throws the cobs outside every time. Clamps on barrel or box. Closed hopper, making it impossible to pinch hands. Requires no wrench. Tension directly on cob, not on hopper.

Price, \$4.00

Steel Road Scrapers



They are shaped cold from a single piece of steel lapped and riveted at the corners. They are uniform in thickness throughout except at the corners, where they are of double thickness.

No. 0. Capacity 9 cubic feet, weight 150 lbs.

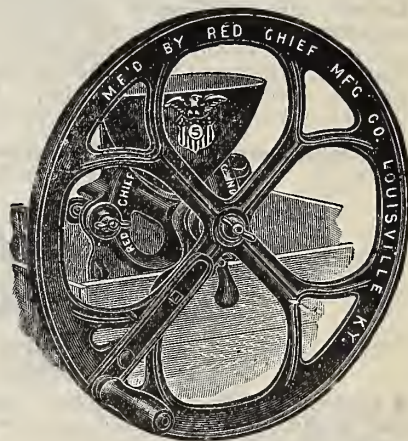
No. 1. Capacity 7 cubic feet of earth, weight 98 lbs.

No. 2. Capacity 5 cubic feet of earth, weight 90 lbs.

"Red Chief" Rapid Grinding Feed and Grist Mill

No. 5

With fly wheel. Has same capacity as No. 10. A perfect Hand Power Grinding Mill. The Fly Wheel makes the Mill run steady and with the least possible power to turn it. With the crank extended, there is no mill that will run as easy. Feed Gauge and New Fine Grinding Burr in this mill.

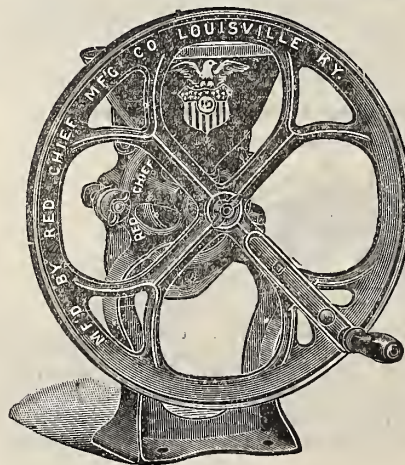


Price, \$5.75

"Red Chief" Rapid Grinding Feed and Grist Mill

No. 10

Capacity, 2 to 4 bushels per hour



Equipped with extra hardened burrs.

Grinds Coffee, Chicken Feed and cracks peas, etc. Will make good Corn Meal and Graham Flour. Can be cleaned and adjusted in a moment's time without the use of a wrench.

Price, \$7.00

All Prices Subject to Change Without Notice

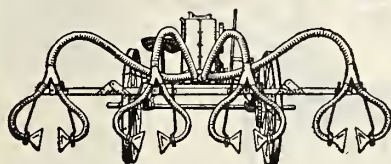
NIAGARA DUSTERS

Niagara
Blower
Dust Gun
Simple
Sturdy
Effective



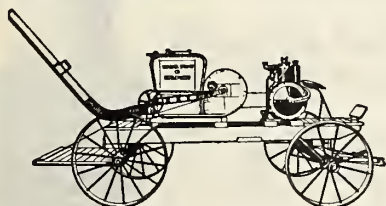
The Ideal
Machine
for controlling
crop pest
on small
acreage

With two nozzles and "Y" attachment one acre of potatoes, celery, and other low crops planted in rows can be effectively covered in an hour.



NIAGARA TRACTION POTATO DUSTER

Dusts $2\frac{1}{2}$ to 3 acres an hour. Aluminum. Operated by chain from axle. Light draw bar pull.



NIAGARA ORCHARD DUSTER,

5-h.p. water cooled motor, and special orchard wagon. Sold separately. Aluminum Dust machine, highest development by pioneer duster makers. Fitted with patented flexible metal hose. Weighs 1,000 lbs., complete. Crop attachment for dusting potatoes, etc., can be supplied.

Dusting Potatoes

**Kills Potato Bugs and Leaf Hoppers and
Controls Blight**

The Niagara Crop Duster, traction operated, will dust 20 acres of potatoes in 8 hours. (Power operated, 30 acres.)

Niagara Dusts are mixtures of Nicotine, Dehydrated Copper Sulphate, Lime and Calcium Arsenate. Nicotine destroys aphids, cucumber beetles, etc.

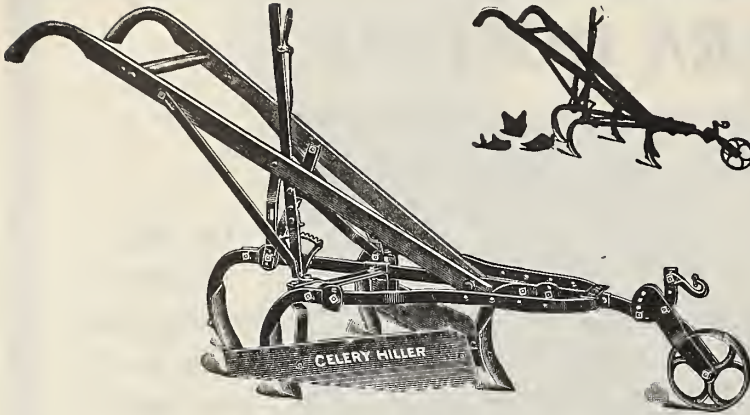
Dehydrated Copper Sulphate (Dry Bordo) controls blight.

Calcium Arsenate and Lead Arsenate quickly poison chewing pests, like potato bugs, worms, asparagus beetles, etc. Sulphur and Copper dusts are foes of Fungi.

Blight, Potato Bugs, Leaf Hoppers, and Aphids are controlled with a fraction of the time and labor of liquid spraying.

Niagara Dust mixtures containing Sulphur, Lead Arsenate, etc., shipped in double bags. Dust mixture containing Nicotine and Copper Sulphate, also Niagara Soluble Sulphur compound shipped in air tight metal drums.

Little Giant Walking Cultivators



5 Tooth Little Giant with lever and gauge wheel. **Price, \$8.00**

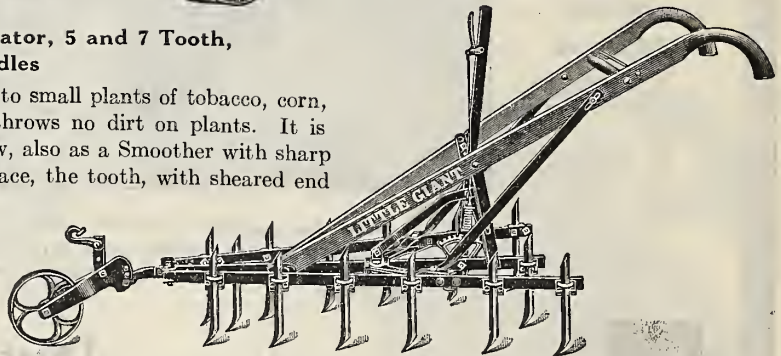
7 Tooth Little Giant with lever and gauge wheel. **Price, \$9.00**

Horse hoe cultivator for 5 or 7 tooth **Price, \$2.00**

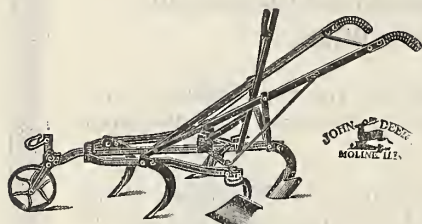
Celery hiller attachment for 5 or 7 tooth. **Price, \$3.00**

Little Giant Steel Walking Cultivator, 5 and 7 Tooth, with Wood Handles

This tool is used for working very closely to small plants of tobacco, corn, potatoes, etc. It thoroughly pulverizes, but throws no dirt on plants. It is also used as a Straight Diamond Tooth Harrow, also as a Smoother with sharp points down in order to cut and level the surface, the tooth, with sheared end down, being less liable to injure young plants when smoothing over corn, potatoes, etc. **For very close work every other tooth can be quickly removed. 14 Tooth Little Giant** with lever and gauge wheel. **Price, \$8.00**



John Deere Steel Walking Cultivators



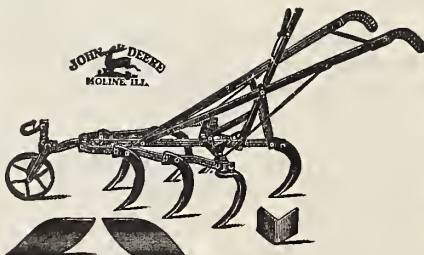
5 Tooth Steel Cultivator

Because of the steel and malleable construction these Cultivators are very durable and free from breakage. Furnished with Horse Hoes or Long Hillers.

No. 306. 5 Tooth with lever and gauge wheel.

Price, \$9.00

Same high-grade construction as the 5 tooth and having two more teeth.



7 Tooth Steel Cultivator

No. 314. 7 tooth with lever and gauge wheel.

Price, \$10.25

Horse Hoe Attachment, for 5 or 7 tooth..... **2.00**
Long Hiller Attachment, for 5 or 7 tooth..... **5.00**

Deere Steel 14 Tooth Cultivator



No. 320. 14 Tooth lever and gauge wheel. **Price, \$9.00**

Especially adapted for use in corn and small plants. Stirs the dirt thoroughly but does not throw dirt on plant. Fitted with steel reversible teeth.

Farmers' Favorite Cooker

DESCRIPTION

The top section or boiler, is made of heavy galvanized steel that will not rust, and is also provided with four heavy tinned malleable iron drop handles.

This sets down inside the lower section one inch, thus making it impossible for the boiler to slip to one side and tip over, as when on top of furnace.

The lower section of furnace is made with cast iron ends, and the center, or body, of heavy steel plate.

With this construction the entire surface of the boiler is exposed to the heat, thus making it a very quick heater.

No. 2. 30 Gallon.

No. 3. 40 Gallon.

Price, \$20.00

Price, 22.50



All Prices Subject to Change Without Notice



The New "Bufco" Forge With 18 in.-22 in. Hearth

The advantages of the hand-crank blower over the old lever and wheel types are well known. Until the perfection of the "Bufco" blower, however, the cost of the crank type has often been prohibitive.

The new "Bufco" has smoothed out the difficulties. It is a small blower of new design with a gear ratio of 36 to 1, steel spur gears throughout, a one-piece gear case, which is oil and dust tight, and a 5½ inch straight blade fan in a 7½ inch fan case. The fan is made of sheet steel, and is powerful enough to furnish a strong blast with little effort.

The old agricultural type forge will soon be obsolete, now that the "Bufco" can be had in the following:

"Bufco" 061, 18 in. diameter of Hearth, Shield type of hood, 85 lbs. shipping weight. **Price, \$12.50**

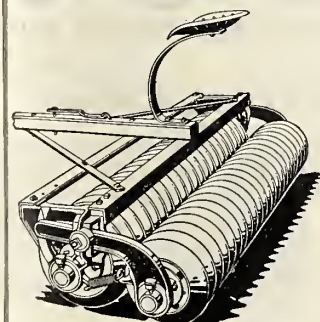
The Ireland Geared Hoist

A powerful machine that saves time and labor in storing hay and in other hoisting. Used in connection with harpoon fork or sling. Attach it to your own engine. Safe and easy to operate. Instant control.

Type C—Single Drum With Brake

Type C has bevel automatic brake rim on drum, which automatically engages with adjustable brake locks, thus holding load at any desired point, without attention. Brake may be rendered inoperative so drum may turn freely.

Brillion Soil Pulverizer and Packer



This implement crushes, pulverizes and packs the soil so that moisture is conserved, germination hastened — soil-blowing and washing are prevented and weeds killed. Strong steel frame; V-shaped or tooth wheel sections; self-aligning roller bearings. Steel axles. Various styles and sizes for either horses or tractor.

Steel Land Roller

Seed will not grow in soil that is cloddy, dry and hard—you know that. And there is no sure way of telling whether your soil will be left in that condition this year because of a continued spell of dry weather. Roll down those clods and you will have a seed-bed that will grow your costly seed.

The farmers prefer a steel roller to a wooden one because it is more durable and easy running. The Roller frame is of angle steel. The axle is of 1⅞ inch steel shafting and turns in hard maple boxes.



Water Ballast Lawn Roller

Ball Bearing, Light Running, Round Edge Drums

No tearing up of sod

Can be filled with either water or sand

No. 603. 24 in. in diameter, 24 in. long, one section; weight empty, 100 lbs.; filled with water, 440 lbs.; filled with sand, 630 lbs. Send for prices.



"Buffalo" No. 611 Ball Bearing Drill

The frame of this drill is strongly ribbed and will withstand extremely rough handling.

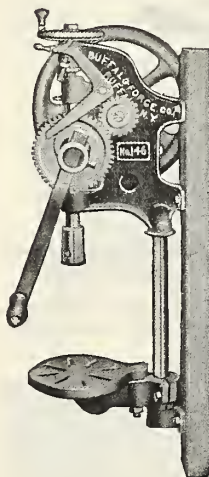
Shaft and spindle of steel, extra heavy and carefully finished.

Bearings are bored and reamed in the solid metal of the frame. This insures smooth, easy running.

Gears are carefully made and fitted.

Has hand and automatic feeds.

A round, slotted table is provided, which can be adjusted to any position—up, down or sideways.



SPECIFICATIONS

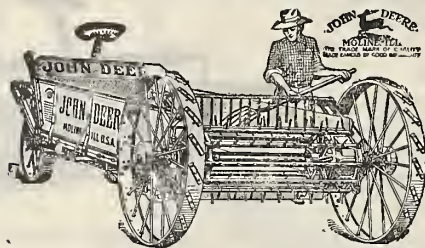
Drills to center of 11 inch circle; drills holes up to ¾ inch; spindle diameter ⅞ inch; run of feed 3 inch; run of table 9 inch; length over all 33 inches; shipping weight 63 lbs.

Spindle drilled for ½-inch straight shank bit. On special order, furnished also for ⅝ or 1¼-inch.

Price, \$12.00

All Prices Subject to Change Without Notice

John Deere Manure and Straw Spreader The Spreader with the Beater on the Axle



The Low-Down Spreader with the High Drive Wheels

Easier on the Man. Only 36 inches to the top of box—6 to 10 inches lower than other spreaders—a big time- and labor-saving feature.

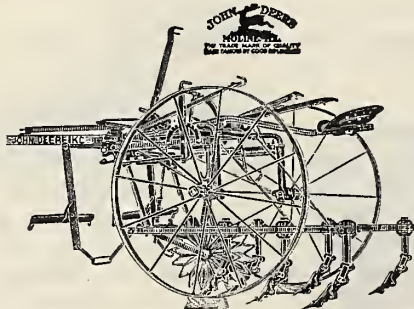
Easier on the Horses. The high wheels on this spreader, from 4 to 8 inches higher than used on other spreaders, give it a light-draft advantage.

The load of manure, which in itself weighs a ton on the average, is moved back to the beater on an apron which runs on many rollers—the load is not dragged.

The location of the beater in relation to the apron is such that the teeth engage the manure as it is fed to them in practically a horizontal position—they do not work against the load as it moves backward.

Does a Better Job of Spreading. You can load the John Deere just right for the most effective spreading—flat on top and from the front to the rear.

Deere J. B. Cultivator Parallel Guide



The value of any cultivator to the farmer is governed primarily by the good qualities that show in actual use.

The Parallel Guide secures perfect control and thorough cultivation in narrow and crooked rows and on hillsides as well as in straight rows.

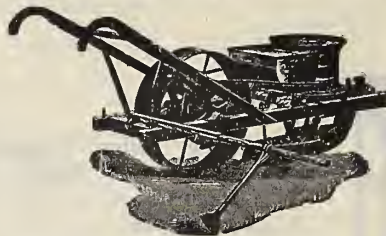
The automatic lift relieves the operator of the labor of raising the rigs and balancing the cultivator; enables him to give his entire attention to work requiring judgment and skill. Depth of cultivation is regulated accurately.

Shovels penetrate and scour because they are always in same position to the line of draft.

Hitch is of the pendant type and adjustable. Pull of the team is applied directly to the point of greatest resistance, making light draft.

Can be equipped with Disc Hilling Attachment for potatoes.

King of the Corn Field Planter



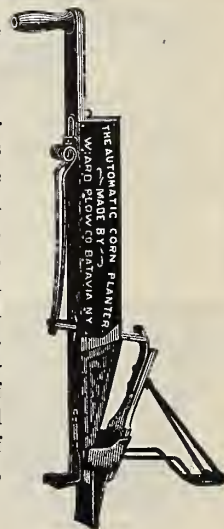
This Corn Planter has been for years one of the leading machines for planting corn, beans, peas, beets and other seeds used throughout this territory. It is equipped with ferti-

lizer distributor, and is perfectly adapted to all requirements of this section. It can be arranged to drop any desired quantity of seed or fertilizer; can also be used for planting corn and beans at the same time, dropping each kind of seed in rotation.

The Automatic Hand Corn Planter

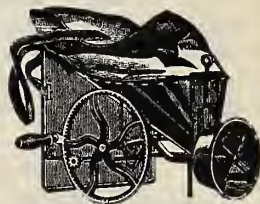
In the Automatic Corn Planter are combined all the latest and best improvements

yet made in implements of this character. In this planter the seed is delivered from the dropper to the receptacle at the bottom, which, when opened by pressing over on the foot, leaves it at once at the depth required, avoiding the trouble found with all hand planters that deliver the seed direct from the dropper to the soil. It also has a most convenient attachment for regulating the depth of planting; this can be raised or lowered in a moment and insures delivery of seed at precisely the depth required, whether the soil be hard or mellow.



Cahoon Seed Sower

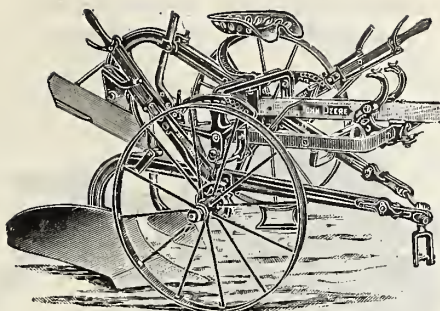
Will sow all kinds of grass and grain seeds from four to eight acres per hour at a common walking gait. Heavy seeds, such as wheat, it will throw 40 feet (20 feet each side of the operator); lighter seeds, of course, will not be thrown so far. Price, \$5.00; Postpaid, \$5.15



Cyclone Seed Sower

This sower is guaranteed to distribute all grass seeds and grains perfectly even and directly to the land. Sows grass seed from 18 to 20 feet and grains a longer distance.

Price, \$2.25; Postpaid, \$2.40



John Deere Two Way Sulky Plow

The John Deere Sulky Plow represents the highest type of material and workmanship that it is possible to procure. The entire frame and beams are constructed entirely of high carbon steel, hence are very strong and durable.

The new style foot landing device is the most satisfactory ever used and by its use and the horselift operated by foot power, the plow can be operated very easily.

Extra wide and long steel frame. Track wider than the ordinary plow, making it run steadier and less liable to overturn.

Sizes

1342S-1442S
Medium Size
1341S-1441S
Large Size

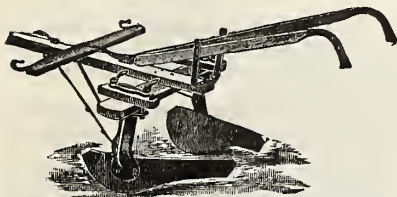
Cuts

3 to 8 in. deep
12 to 16 in. wide
4 to 9 in. deep
14 to 18 in. wide

Fitted with either Jointers, Hanging Cutters or Fin Cutters. Two or Three-Horse Eveners.

Hisco Wing Potato Hoe

Two-Piece Wings

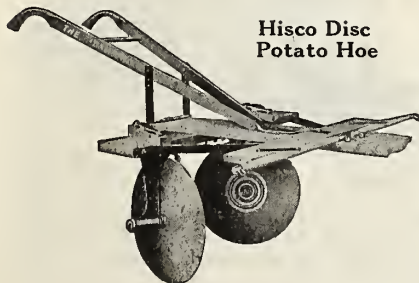


tomers. They are fitted with an adjustable extension on the wings which is a decided advantage.

There has always been a large demand for a Wing Potato Hoe of this type. They are constructed of the best material and are invariably satisfactory to our customers.

Price, \$12.50

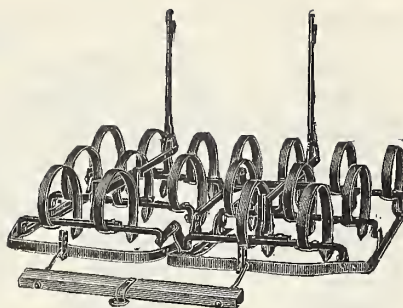
Hisco Disc Potato Hoe



A great many persons prefer the disc type of hoe in preference to the wing. Standards are movable on crossbar to allow spacing of disc.

Equipped with 20-inch disc.

Price, \$16.50

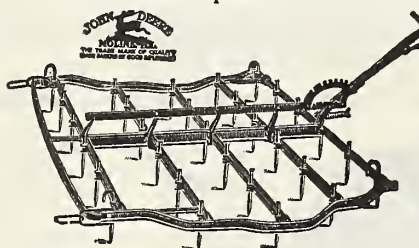


Spring Tooth Harrows

This harrow's sharp-pointed penetrating teeth work the seed bed from the bottom to the top. They tear out underground roots, stems and weeds, bringing them to the surface, mix and fine the seed bed. Non-clogging. Any number of sections can be combined. Reversible levers for use at front of harrow and tractor hitch for easy operation with tractor.

15 Tooth, two horse.....	\$29.00
17 Tooth, two horse.....	31.00
10 Tooth, one horse, top handles.....	19.75
10 Tooth, one horse, less handles.....	18.00
9 Tooth, one horse, less handles.....	17.00

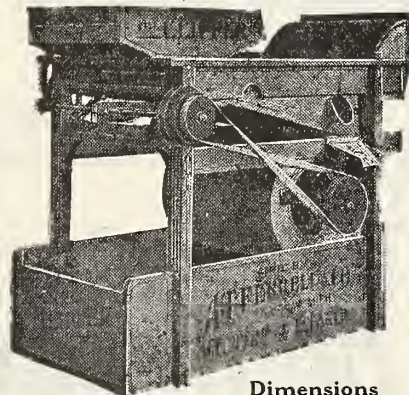
Deere Universal Spike Tooth Harrow



Made of steel throughout which gives strength without useless weight. The lever allows the teeth to be angled in any desired position and is also provided with a spring trip, allowing the teeth to give in stony or rooty ground.

One Section, 30 Teeth, One Horse.....	\$12.50
Two Sections, 60 Teeth, Two Horse.....	25.00

NEW NO. 1-B CLIPPER GRAIN, SEED AND BEAN CLEANER



Capacity

Wheat and other grain, 20 bushels per hour.

Clover and other seed, 10 bushels per hour.

Screen length including spreading board, 29 in.

Screens 19 in. wide, 22 1/4 in. long.

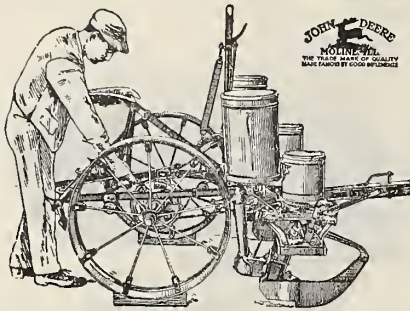
Dimensions

Length.....	4 ft. 8 in.
Width.....	2 ft. 2 in.
Height.....	3 ft. 8 in.
Shipping weight, 185 lbs.	

Write for complete descriptive folder and prices

All Prices Subject to Change Without Notice

John Deere No. 999 Corn Planter



No. 999 with Fertilizer

Equipped with John Deere Natural Cell-Fill, edge-delivery seed plates—a dropping device just as accurate as the human hand.

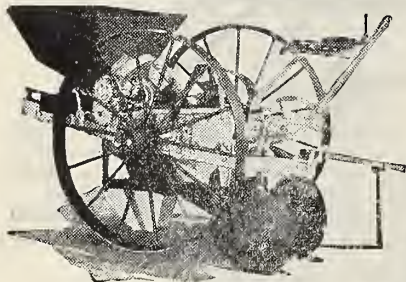
Variable-Drop Device—a great feature—enables you instantly to change the drop to meet varying conditions of soil in the same field. By merely shifting a foot lever, without leaving the seat or even stopping the team, you can change the drop to two, three or four kernels per hill—always the exact number desired.

999 Fertilizer Attachment

Fertilizer attachment handles any standard fertilizer, any quantity up to 700 pounds per acre.

Fertilizer can be checked with each hill of corn or drilled along the row while corn is being checked.

Hoover Visible Potato Planter with Fertilizer Attachment

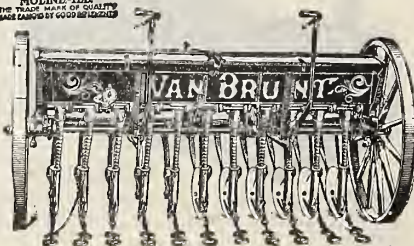


The Hoover is noted for its accuracy in dropping potatoes. Agitator in hopper prevents potatoes from bridging. Hopper holds $2\frac{1}{2}$ bushels. Positive feed wheel elevates potatoes to the picking chamber. Speed of this wheel is easily controlled to keep the right amount of seed in the picking chamber; picking chamber concaves hold seed properly for the pickers. Adjusting springs give the right pressure on the seed to get best results.

VAN BRUNT FERTILIZER DISC DRILL

Light Weight Light Draft Force Feed
Spring Pressure Large Capacity
Even Seeding in Furrows of Uniform Depth. No Ground or Seed Wasted.

The drill that puts any seed, from alfalfa to bearded oats, at the bottom of furrows of even depth, without choking up and failing to sow part of the field or planting too much in other parts. All grain is ready for harvest at one time. Any standard fertilizer is handled by the Van Brunt just as accurately as seed. **Send for Booklet.**



Improved Robbins' Potato Planter The 100 Per Cent. Potato Planter

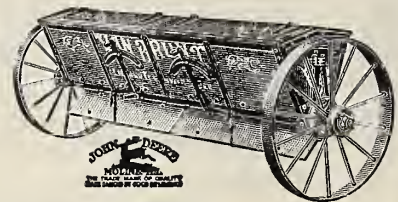


It is results that count in potato culture—the net return in dollars and cents. At the same time there is a lot of satisfaction in a clean field with straight rows and **every hill planted**. It is the sign of a practical farmer. The right start is half the race and here it is—an automatic

machine planter that places every seed piece exactly as you want it

without a miss or a double and without injury. The result is, every hill planted at the right depth, the right distance apart and covered level or ridged. Has a very positive and successful fertilizer attachment that will handle all kinds of commercial fertilizers.

Van Brunt Lime and Fertilizer Sower with Oscillating Agitators

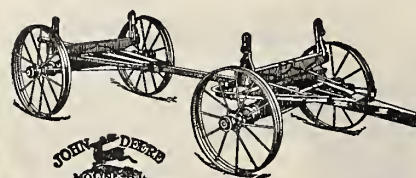


The Van Brunt Lime and Fertilizer Sower is built in the standard size to cover eight feet of ground, with a carrying capacity of ten bushels. For strength, durability and simplicity it is unexcelled.

This sower has 36-inch steel wheels with staggered spokes, heavy wide rims, removable dust-proof boxings, and compression grease cups with chilled wheel bearings.

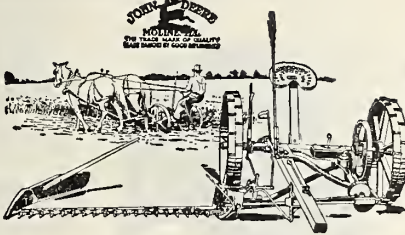
The hopper is exceptionally strong, of selected well-seasoned matched lumber; steel ends with angle steel corners, thoroughly braced; close-fitting covers and removable screens. **Send for Booklet.**

John Deere Farm Trucks



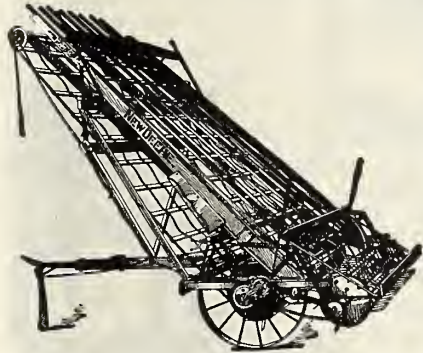
In price, strength, draft and finish, John Deere farm trucks give exceptional satisfaction. They stand hard usage year after year because they are built right and in a factory that has an established reputation for making only the best wagons and trucks. The same careful workmanship and the same well-seasoned, selected oak and hickory are used in their construction as are used in the famous John Deere Farm Wagons. We can furnish trucks with either wood or steel wheels, in various styles.

John Deere High-Lift Mower



Powerful cutting mower—compensating drive gears—one set offsets thrust of other set—eliminates side wear and insures maximum power. High lift with foot lever and extra high lift with foot and hand lever combined. Flexible cutter bar. Easy to keep in perfect cutting order—knife readily re-centered and lag taken out of bar after years of use. A mower that will give unusual satisfaction.

New Deere Hay Loader



The loader with the flexible floated gathering cylinder. Successfully handles anything from the lightest swath to heaviest windrow. Does not dig into the ground surface, but rakes the ground clean and gathers no trash.

A steady stream of hay is put onto the wagon without damaging the hay. The New Deere automatically adjusts itself to any amount of hay. Wheelbarrow mount prevents sagging and spreading. Automatic hitch and your ability to unhitch from top of load are additional advantages.

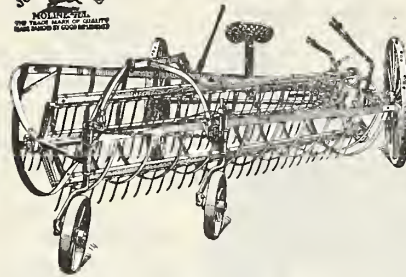
John Deere-Dain System Windrow Hay Loader



Especially adapted to handling hay air-cured in the windrow. Good capacity and good work. Handles alfalfa, clover, beans and similar tender hay without loss of leaves. Only one cylinder—lighter than a double-cylinder loader. Drum is mounted on the axle. Especially adapted to hilly countries because of very

light draft. Pivoted front truck makes handling easy—a boy can do it. Large expansible throat openings and slow speed of raking teeth prevent beating and threshing hay. Rakes only clean hay, because it has flexible teeth, and the hay is placed in the center of the wagon.

John Deere-Dain System Rake

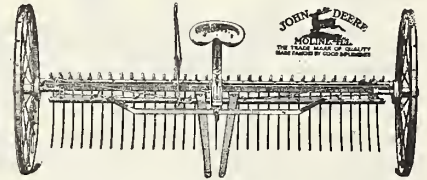


Cure hay nature's way with the John Deere-Dain System Rake. Preserve its natural color and richness of foliage. You can follow the mower closely with this rake. The steady motion of the curved teeth throws the hay into loose, fluffy windrows, through which the air readily passes. It does the work without damaging the hay. The inclined frame gives increased capacity at point where volume of hay handled is greatest. All adjustments can be made from the seat with the rake in motion. Cushion spring absorbs all jar when working on rough ground. Thrown in and out of gear by hand lever. Ratchet drive in each main wheel. Practically all steel, with a steel arch over frame which forms a truss that adds greatly to its strength.

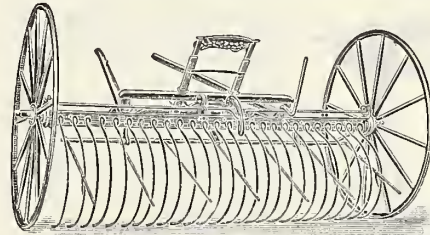
John Deere Self-Dump Sulky Rake

A rake you can keep in good running order for years. Important working parts interchangeable, reversible or adjustable, giving extra wear with no repair expense.

Arched steel axles give wheels proper pitch and gather at all times. Foot trip secures instant dumping. Made in 8-, 9-, 10- and 12-Foot Widths.



New York Champion Wood Rake

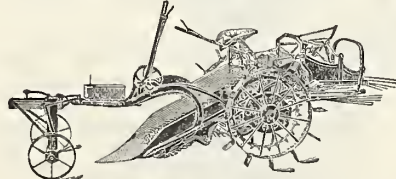


For years the New York Rake has been the best known and most successful wood rake in this locality. We would certainly recommend the above to our customers

who do not desire a steel rake.

It is carefully and substantially built, and nothing but the best of material is used in its construction.

Hoover Potato Digger

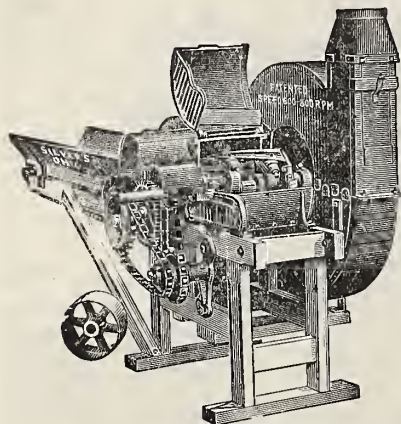


Digs up the potatoes and piles them in neat rows, vines and trash placed at one side. High-carbon crucible steel shovel shaped so as to gather potatoes

with least possible damage to potatoes. Either vine-separating rear rack or extension elevator. Roller bearings and wide tires on high wheels assure light draft. Double-action front truck enables digger to turn in short space.

All Prices Subject to Change Without Notice

Silver's "Ohio" Light Draft Silo Fillers with Suction Blower



Direct Drive. Drive pulley, cutting cylinder and fan wheel all on main shaft utilizes every ounce of power.

Patented Friction Reverse. By the use of a single lever all moving parts except knife cylinder, can be instantly stopped, started or reversed without the slightest strain. Not a gear tooth changes mesh in reversing.

Accessibility. Knives and cutter bar can be readily removed for sharpening or replacement without disturbing other parts.

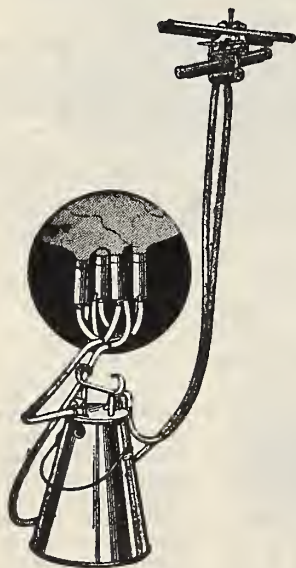
Special Features of No. 40, No. 60 and No. 90

No. 40—Ohio Blower with traveling feed table; with 9-inch throat, two knives and curved elbow for top of pipe, not mounted. Weight, 790 lbs.

No. 60—Ohio Blower with traveling feed table; with 11-inch throat, two knives and curved elbow for top of pipe, not mounted. Weight, 835 lbs.

No. 90—Ohio Blower with traveling feed table; with 13-inch throat, two knives and curved elbow for top of pipe, not mounted. Weight, 900 lbs.

The Sharples Mechanical Milker



Every man keeping a fair sized dairy should be interested in this milker for the following reasons:

First—The cost of milking cows can be reduced seventy-five per cent.

Second—One operator and one boy, to milk and assist, can properly milk one hundred cows in less than two hours.

Third—The improvement in the cow's condition resulting from the thorough, quick, gentle and regular work of the milker will induce an increased milk production.

Fourth—A far purer product; lower bacterial count and more valuable milk is assured, because all stable air is entirely excluded and the milking parts are so easily and thoroughly cleansed.

Send for Catalog and Detailed Information

Ohio "Rapid" Root Cutter and Pulper



No. 832

The knives are double-edged and reversible, one being straight, for slicing, the other edge being grooved, thus dividing it into separate bits for pulping.

Capacity — Capacity per hour, slicing or pulping, hand, 30 bushels; power, 125 bushels.

Pulley—Size of pulley for power, 10 x 4 in. Weight, 215 lbs.

No. 832 Root Cutter and Pulper, 6 knives, for hand or power.....\$25.00

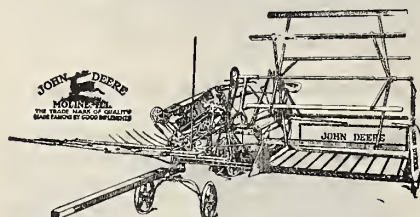
Champion Root and Vegetable Cutter

Will cut all kinds of roots, either fine for sheep, or much coarser for cattle. Guaranteed to cut one bu. per minute.

Price, \$13.00

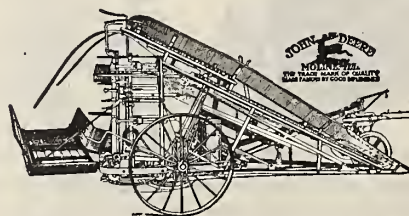


John Deere Grain Binder



self-aligning bearings. Knotter has case-hardened wearing parts. Outer reel support. An easily operated and adjusted bundle carrier. Equipped with all-steel, quick-turn tongue truck that takes neck weight and side draft from horses. A light-draft, easily-operated binder.

John Deere Corn Binder



The binder with quick-turn tongue truck. Quick-turn tongue truck takes off neck weight and permits quick and easy turning at ends. All important parts are equipped with roller bearings. A light-draft and long-lived machine.

All Prices Subject to Change Without Notice

Ohio Lever Cutter



The "Ohio" Lever Cutter will cut hay, straw, corn stalks and every kind of feed. It is equipped with one 11-in. oil-tempered knife; also provided with a guard plate, adjustable to vary the lengths of cut.

No. 778 "Ohio" Lever Cutter, weight 55 lbs.

\$6.00

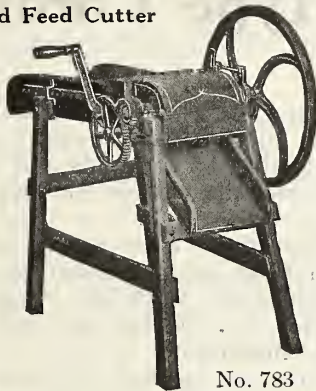
No. 778

Pony Hand Feed Cutter

The Pony Cutter, as illustrated below, is strictly a hand machine.

A bushel of hay can be cut in thirty-five seconds. Cuts all kinds of feed. Only high-grade material is used, and makes it a strong and efficient cutter. No. 783. One 11½ in. knife cut ½ to 2 in. Weight 165 lbs.

\$28.00



No. 783

Ohio Hand Feed Cutter

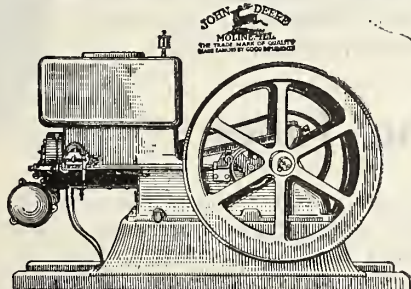
For the man with only one or a few head of stock, who wants an easy running machine that will cut any of his rough feed, this style "Ohio" will fit his needs and his purse.

No. 8½ K2. Two 8½ in. knives for hand use only. Cuts ¼, ½, ¾ and 1 inch lengths. Weight 175 lbs. Price, \$35.00

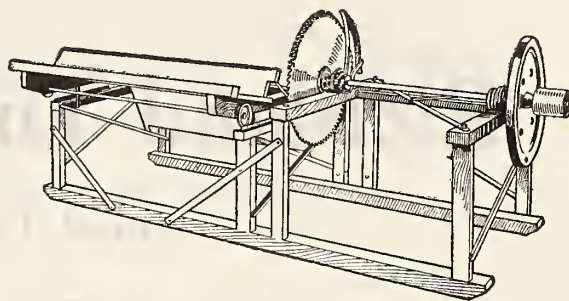
No. 8½ K2



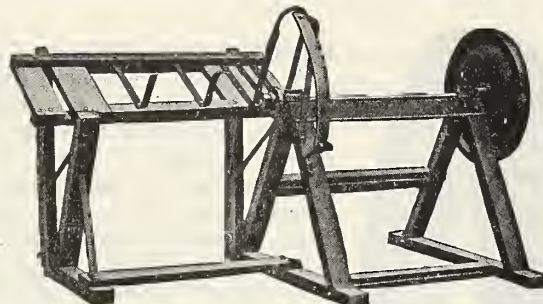
"Waterloo Boy" Kerosene Engine



A simple, carefully-proportioned, throttle-governed kerosene engine, operating on the four-stroke cycle principle. Sizes—2, 3, 5, 7, 9 and 14 H. P. Open-jacket, hopper-cooled type. Gear-driven governor controls speed of engine. Governor adjustable for speed. Uniform heat maintained in cylinder, insuring complete combustion. A constant level of fuel is maintained in carburetor by means of a plunger pump. Reliable magneto. No batteries required.



Gray Farrow Saw Table Send for Circular and Price Improved Wood and Pole Saw Frames



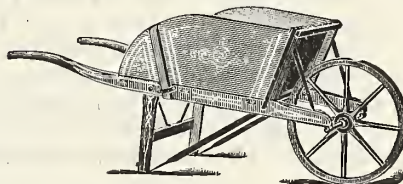
Tilting Table Wood Saw Frame With Pole Extension

Prices of Tables Without Saws

Tilting Table Wood Saw.....	\$31.00
Tilting Table Wood Saw with Pole Extension.....	34.00
Tilting Table Pole Saw.....	38.50
Tilting Table Wood Saw Irons.....	28.00

Jones Circular Saws

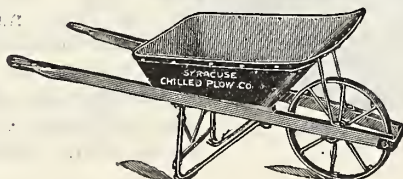
20-inch, set and sharpened.....	\$5.00
24-inch, set and sharpened.....	7.00
26-inch, set and sharpened.....	8.25
28-inch, set and sharpened.....	9.50
30-inch, set and sharpened.....	10.75
32-inch, set and sharpened.....	12.25



Garden Barrows
No. 4. Medium.
Price, \$7.50
No. 5. Large
Price, \$8.00



Dump Barrows
80A. All steel.
3 cubic feet.
Weight, 76 lbs.
Price, \$9.25

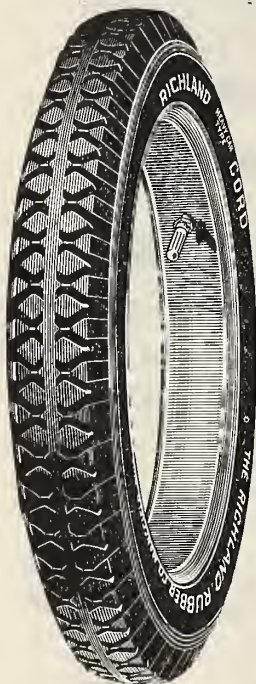


75A. Steel tray and wheel. Wood handles. 3½ cubic feet. Weight, 72 lbs.
Price, \$8.00

Richland Tires and Tubes

"Stand Touring Abuse"

Heavy Car Type Cords



THE Richland Heavy Car Type Cord is a big all black, sturdy tire into which Richland designers and tire builders have crowded all the mileage that it is possible for the highest quality of materials and skillful workmanship to deliver. It is full oversize, handsome, dependable, and can be used on either light or heavy cars.

Thousands of users find Richlands the most satisfactory tire they have ever bought, not only in low cost of mileage, but in comfortable, care-free driving. The perfect "grab" of the thick, tough tread, which has exceptional non-skid quality, the resiliency of the large air space and the balanced side wall construction, are features that instantly impress the motorist.

For these reasons the Richland is recommended to dealers as a first class business builder, since its reputation for satisfactory performance travels rapidly. This inspires enthusiasm for active sales effort and assures reward in steadily increased volume of business.

We offer the Richland with full confidence in its quality and the service it will render.

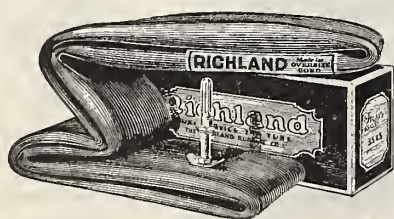
Standard Cords

This tire is designed to fill the requirements of those who wish a cord tire that can be used on cars already equipped with regular size tires of either cord or fabric type. It is built of the same high grade materials as the Heavy Car Type Richland and with the same care throughout. It is an all black tire and naturally lower in cost because

of its smaller size, yet is capable of long endurance. The same principles of construction are used as in the Heavy Type cord, which makes it easy riding and desirable from every standpoint. It is a very popular tire and warrants the fair trial it bespeaks by its attractive appearance. Energetic sales promotion in its special field will be well repaid.



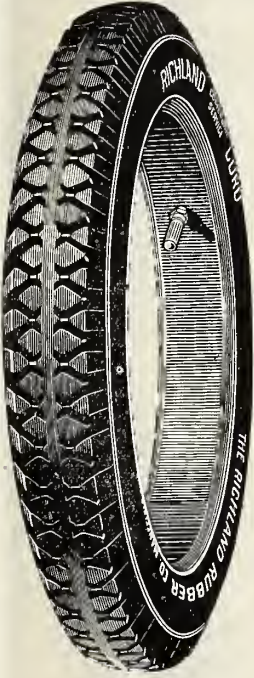
"Sure Service" Tan Tubes



The Richland "Sure Service" Tan Tube is not intended to give out—it must **wear** out only after long service—longer than the tire it supports. It is very heavy and made extra large to fit all oversize cords. Laminated construction from several plies of thin sheets of the finest rubber obtainable insures against porosity, and it is specially treated to resist the heat developed by tires in hard service. The valve seat is reinforced with heavy fabric. The extra long splice prevents weakness at that point—in short this tube is absolutely the perfection of tube manufacture and the service it gives confirms every claim made for it.

Richland Tires and Tubes

Commercial Service Cords



PRESENT day demands upon pneumatic truck cords call for the utmost of skill in manufacture that can be embodied in them. Richland tire engineers have met the many problems of construction in the most gratifying manner.

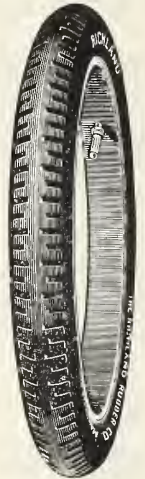
The Richland is a husky, dependable truck tire. It has great strength and toughness, yet sufficient resiliency to carry equally well heavy loads of dead weight without the jolt and jar that cause injury to the truck itself, or lighter loads of fragile character, where the traction wave is less and higher speed is possible with safety. Non-skid properties and in resistance to rut wear and side-wall chafing it is unsurpassed. It is particularly well adapted to bus or heavy limousine use. The edges of the tread are bolstered against rolling wear and to insure evenwear under all road conditions.

Individual and fleet owners who keep accurate records of tire costs, find that the Richland Commercial Service Cord delivers high mileage at low cost, with minimum lay-up for repairs.

Recommended for all trucks using the following sizes:

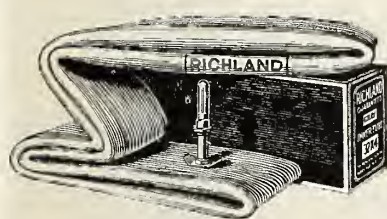
32x4½, 33x4½, 34x4½, 33x5, 34x5, 35x5, 36x6

Fabrics



The Richland Fabric has been brought to a high degree of excellence and durability. It is an all black tire, built of the highest quality materials throughout, with the same integrity of purpose that characterizes all Richland tire production. It has a very tough and effective non-skid tread, which delivers higher than average mileage. Its popularity grows rapidly wherever introduced, and it can be recommended with entire confidence in its satisfaction-giving quality.

Grey Tubes



The Richland Grey Tube is composed of the very best materials and made throughout with the care that is characteristic of all Richland production. The splice is extra long and is steam vulcanized. The valve stem is strongly reinforced. This tube can be recommended with certainty that it will more than meet the expectations of buyers.

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Cow's Relief	47	Harvesters, Corn	100	Oil, Fly	33	Rings, Bull	48	U	
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Shipping	32	Headers, Barrel	60	Openers, Can	60	Rollers, Land	95	Varnishes	67
Creolusol	33	Heater, Peerless	40	Jar	60-62	Rollers, Lawn	95	W	
Creosote, Gypsy	35	Water	40	Oyster Shells	38	Roofing	66	Wagons, Chil-	
Moth	60	Hellebore, Pow-		P		Rope Sizes	78	dren's	62
Crowbars		dored	32	Oil, Anti-Crow	33	S		Warmers, Soap-	
Cultivators		Hitch, Swivel Rope	79	Oil, Fly	33	Saw Tables	101	Stone Foot	61
Garden	62, 88,	Hods, Coal	54	Oils, Hisco Auto	65	Saws, Circular	101	Washing Machines	57
Riding	96	Hoes, Grub	60	Openers, Can	60	Saws, Cross-Cut	51	Wedges	60
Walking	94	Hand Cultivator	62	Jar	60-62	Saws, Ice	50	Weeders, Hand	61
Culti-Packer	95	Horse	97	Oyster Shells	38	Scales, Milk and	51	Wheelbarrows	101
Cure		P		P		Cream	46	Wrenches, Com-	
Scratch and Gail	47	Hand Cultivator	62	Pads, Horse Collar	48	Platform	77	bination	58
		Horse	97	Pails, Chamber	54	Scrapers, Barn	61	Wringers, Clothes	57
								Mop	57
								Wyandotte Cleanser	44

PIPELESS CALORIC FURNACE

TRADE MARK REG'D

Wide, strong flange for floor connection. The register will support a weight of 2,000 pounds.

The return air pipe can be adjusted to any basement height of 6 feet or more.

Absence of angles reduces friction and prevents pocketing of air. This increases the volume of air that passes in and out of the CaloriC furnace.

This insulating air chamber acts as a positive division between the bodies of warm and return air. This patented construction prevents the radiation of heat to the basement. The air is constantly circulating through this channel, Patent No. 1346801.

Casing and caps are drawn together by special lugs to make an extremely tight fit. No cellar dust or ashes can be drawn in through these joints.

The absence of sharp angles in the air and fire travel adds materially to the heating efficiency and saves fuel. The famous CaloriC double-ribbed firepot is made of the best grade of pig iron and insured for a period of 5 years by the CaloriC Money-back Guarantee.

The insulating chamber ends at a proper height from the base of the CaloriC, permitting a free and easy flow of return air to the hot castings. Inside casing is one inch longer to deflect ample supply of cool air into circulating air channel.

The sturdy braces and supports make the CaloriC the most rigid type. This construction prevents warping and holds the inner and outer casings an equal distance apart.

The combination register, copper oxidized and beautifully finished. The CaloriC name in center is your guarantee. The proper ratio of the warm air outlet to the return air section has been carefully determined after years of tests and experiments.

The large scientifically proportioned air passages of the CaloriC give it a greater heating capacity than any other warm-air furnace.

Large, straight channel insures an adequate supply of return air, so essential to great capacity and efficiency.

This patented CaloriC division plate makes possible the straight flush front construction, and provides for an equal circulation of return air through the four sides of register. This exclusive feature insures a cool cellar. Imitators dare not copy this design.

The CaloriC radiator is placed directly in the center of the CaloriC where the greatest volume of heat is generated and distributed through the center of the register.

Handy cleanout for removal of soot.

Outside shaker handle is convenient and easily operated from standing position. Eliminates dust from cellar.

Tight fitting fuel door prevents escape of smoke and gas.

The CaloriC water pan is large and properly placed so that the heated castings evaporate the water rapidly. This produces a balmy, moist, warm air, conducive to good health. The pan is low and easy to fill.

The ashpit door is dust-proof and contains an easily regulated damper.

CaloriC grates are durable and readily cleaned.



Sharples Suction Feed Separator



REASONS WHY MILLIONS OF FARMERS USE THE SHARPLES:

Easy To Clean—Simple Bowl—No Discs To Wash
Knee-Low Supply Tank—Automatic Oiling System, Oil Once a Month Only

WRITE FOR FULL DESCRIPTIVE CATALOG